

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031419\
 Data File : VX008065.D
 Acq On : 14 Mar 2019 11:25
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 9:07:02 AM

Quant Time: Mar 14 14:55:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 14 14:45:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	314186	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	450433	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	408228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	215181	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	310724	102.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.14%	
35) Dibromofluoromethane	5.51	113	283595	103.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.88%	
50) Toluene-d8	8.71	98	1121650	106.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	213.26%	
62) 4-Bromofluorobenzene	11.13	95	398898	105.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	260305	102.887	ug/l	100
3) Chloromethane	1.33	50	281104	102.469	ug/l	99
4) Vinyl Chloride	1.42	62	280856	107.245	ug/l	100
5) Bromomethane	1.64	94	143244	107.695	ug/l	99
6) Chloroethane	1.71	64	151027	98.207	ug/l	97
7) Trichlorofluoromethane	1.93	101	326280	105.111	ug/l	97
8) Diethyl Ether	2.20	74	174489	104.336	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	258208	104.737	ug/l	97
10) Methyl Iodide	2.51	142	410503	105.323	ug/l	98
11) Tert butyl alcohol	3.09	59	308427	505.315	ug/l	100
12) 1,1-Dichloroethene	2.37	96	249971	105.444	ug/l	95
13) Acrolein	2.30	56	283538	502.590	ug/l	99
14) Allyl chloride	2.73	41	451192	103.745	ug/l	97
15) Acrylonitrile	3.16	53	753359	507.962	ug/l	100
16) Acetone	2.45	43	696076	483.772	ug/l	98
17) Carbon Disulfide	2.57	76	744228	105.224	ug/l	100
18) Methyl Acetate	2.78	43	334915	102.788	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	827885	104.193	ug/l	98
20) Methylene Chloride	2.86	84	266811	102.546	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	261708	103.377	ug/l	95
22) Diisopropyl ether	3.87	45	875918	100.626	ug/l	97
23) Vinyl Acetate	3.83	43	3852586	506.419	ug/l	97
24) 1,1-Dichloroethane	3.70	63	487246	101.839	ug/l	99
25) 2-Butanone	4.70	43	1127054	492.314	ug/l	97
26) 2,2-Dichloropropane	4.59	77	378241	105.783	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	310717	104.604	ug/l	97
28) Bromochloromethane	5.02	49	238647	103.636	ug/l	92
29) Tetrahydrofuran	5.15	42	726272	499.757	ug/l	96
30) Chloroform	5.22	83	486136	103.907	ug/l	100
31) Cyclohexane	5.57	56	475952	104.696	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	432189	105.636	ug/l	97
36) 1,1-Dichloropropene	5.80	75	384660	106.950	ug/l	99
37) Ethyl Acetate	4.86	43	413893	104.007	ug/l	98
38) Carbon Tetrachloride	5.79	117	385170	108.345	ug/l	99

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Quant Time: Mar 14 14:55:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 14 14:45:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	499724	106.733	ug/l	98
40) Benzene	6.15	78	1177114	106.626	ug/l	99
41) Methacrylonitrile	5.06	41	235605	103.826	ug/l	99
42) 1,2-Dichloroethane	6.20	62	374367	106.111	ug/l	99
43) Isopropyl Acetate	6.46	43	674686	105.430	ug/l	99
44) Trichloroethene	7.21	130	332120	105.624	ug/l	98
45) 1,2-Dichloropropane	7.52	63	308487	104.820	ug/l	100
46) Dibromomethane	7.66	93	200178	107.415	ug/l	98
47) Bromodichloromethane	7.90	83	392062	110.964	ug/l	99
48) Methyl methacrylate	7.77	41	365110	106.626	ug/l	97
49) 1,4-Dioxane	7.76	88	153114	2155.629	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	2211453	526.833	ug/l	98
52) Toluene	8.79	92	764516	108.051	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	456983	113.545	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	497410	111.056	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	303845	106.537	ug/l	99
56) Ethyl methacrylate	9.18	69	477077	108.853	ug/l	97
57) 1,3-Dichloropropane	9.37	76	504799	107.299	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	1323122	517.430	ug/l	98
59) 2-Hexanone	9.49	43	1714336	530.908	ug/l	98
60) Dibromochloromethane	9.59	129	335789	109.592	ug/l	100
61) 1,2-Dibromoethane	9.67	107	328456	106.367	ug/l	100
64) Tetrachloroethene	9.34	164	335229	104.815	ug/l	99
65) Chlorobenzene	10.14	112	837200	106.338	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	314373	107.969	ug/l	100
67) Ethyl Benzene	10.25	91	1423242	106.684	ug/l	100
68) m/p-Xylenes	10.36	106	1099510	213.931	ug/l	100
69) o-Xylene	10.70	106	532112	106.556	ug/l	100
70) Styrene	10.71	104	885806	107.168	ug/l	100
71) Bromoform	10.86	173	273454	111.315	ug/l #	100
73) Isopropylbenzene	11.02	105	1428130	103.939	ug/l	100
74) N-amyl acetate	10.90	43	623699	108.500	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	449451	104.927	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	365570m	100.985	ug/l	
77) Bromobenzene	11.26	156	381989	103.974	ug/l	99
78) n-propylbenzene	11.36	91	1600046	104.163	ug/l	100
79) 2-Chlorotoluene	11.42	91	938041	103.423	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1186889	104.031	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	152668	111.935	ug/l	94
82) 4-Chlorotoluene	11.51	91	1099651	106.339	ug/l	100
83) tert-Butylbenzene	11.77	119	1184771	105.952	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1219464	103.957	ug/l	99
85) sec-Butylbenzene	11.94	105	1429804	104.580	ug/l	100
86) p-Isopropyltoluene	12.06	119	1298010	104.692	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	684208	105.185	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	693368	106.925	ug/l	100
89) n-Butylbenzene	12.38	91	1113689	107.685	ug/l	99
90) Hexachloroethane	12.60	117	217124	108.998	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	682339	107.064	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	101894	107.723	ug/l	94

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ClientSampleId :
VSTDICC100

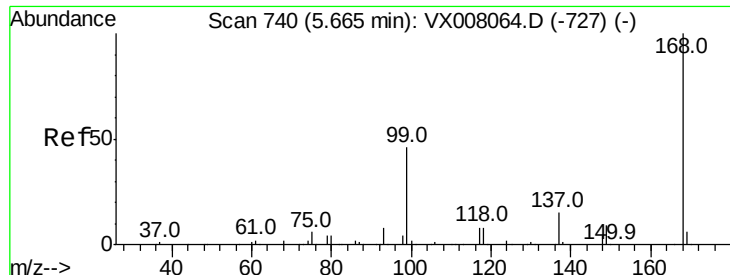
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Mar 14 14:45:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	503029	109.766	ug/l	100
94) Hexachlorobutadiene	13.78	225	262082	104.919	ug/l	100
95) Naphthalene	13.83	128	1476652	108.897	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	497692	108.929	ug/l	99

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



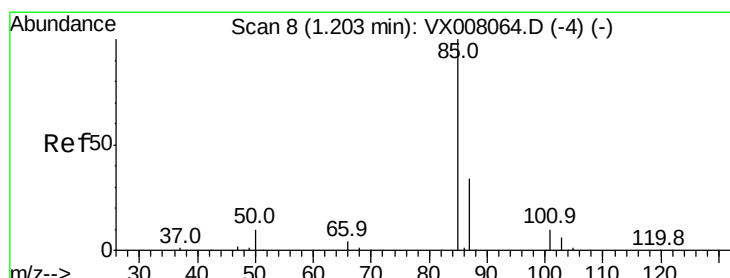
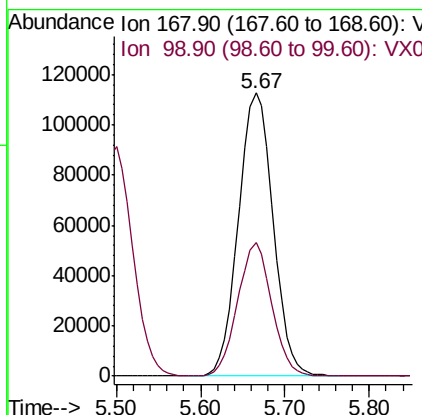
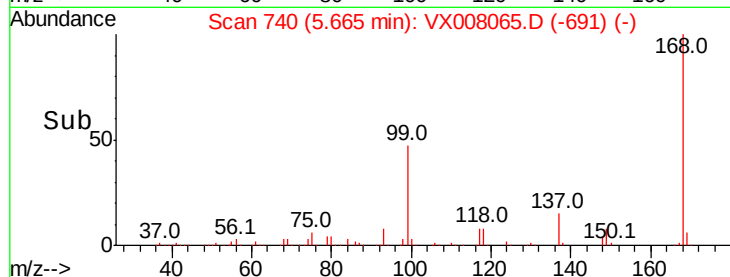
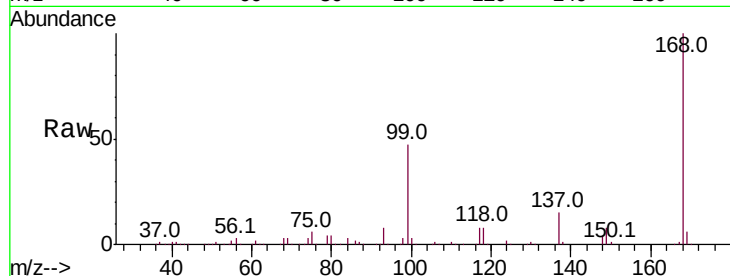
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.00 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:168 Resp: 314186
Ion Ratio Lower Upper
168 100
99 47.0 37.6 56.4

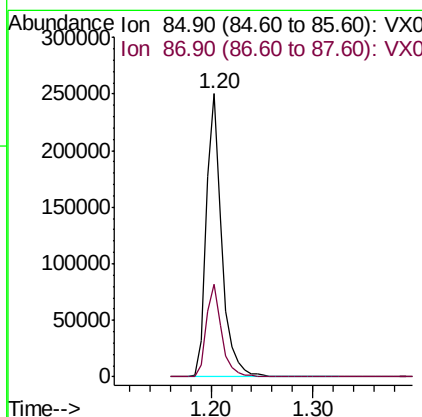
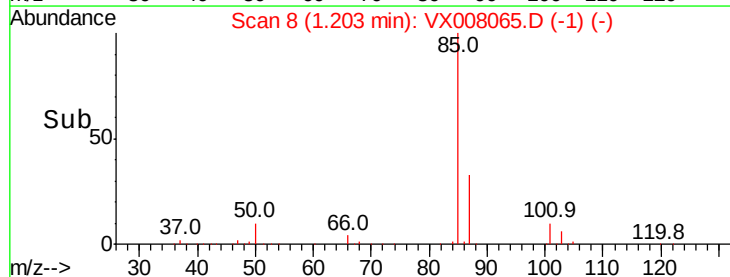
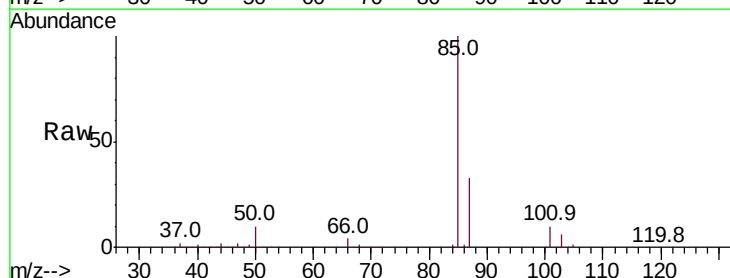
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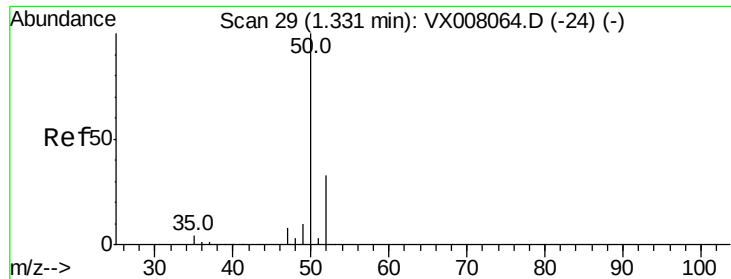
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#2
Dichlorodifluoromethane
Concen: 102.887 ug/l
RT: 1.20 min Scan# 8
Delta R.T. 0.00 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Tgt Ion: 85 Resp: 260305
Ion Ratio Lower Upper
85 100
87 32.8 16.4 49.1





#3

Chloromethane

Concen: 102.469 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008065.D

Acq: 14 Mar 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 281104

Ion Ratio Lower Upper

50 100

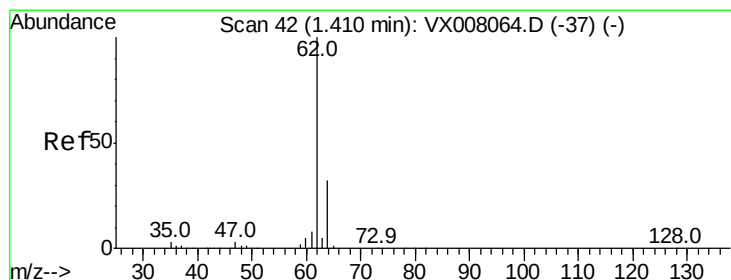
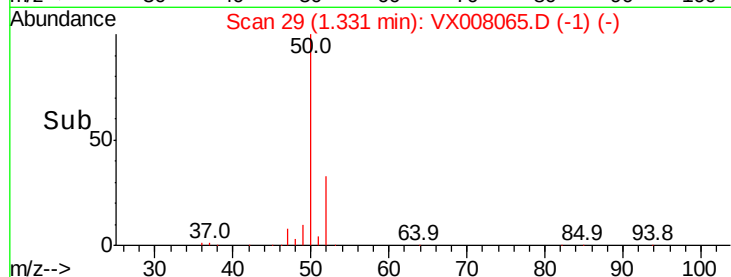
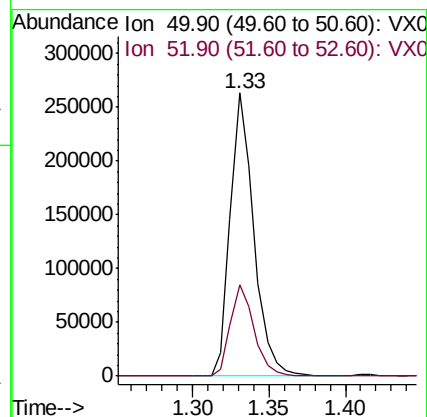
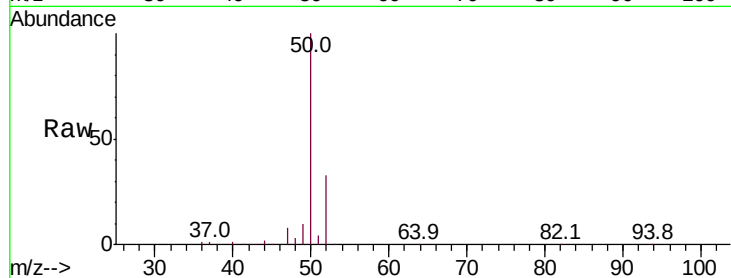
52 32.5 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 107.245 ug/l

RT: 1.42 min Scan# 43

Delta R.T. 0.01 min

Lab File: VX008065.D

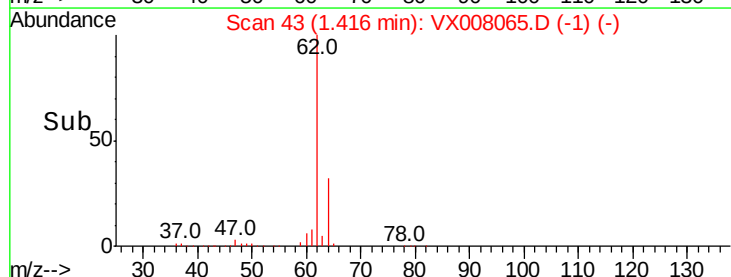
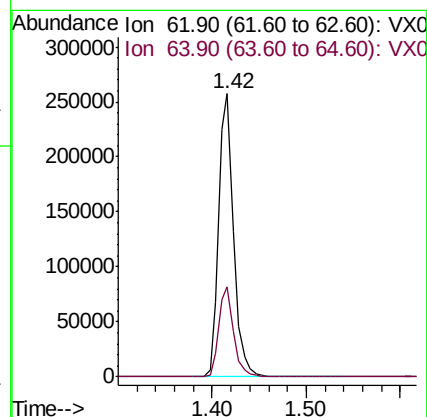
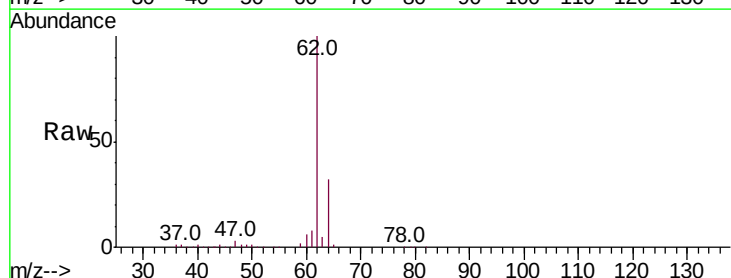
Acq: 14 Mar 2019 11:25

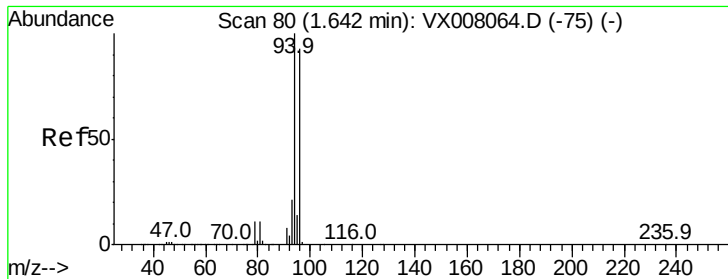
Tgt Ion: 62 Resp: 280856

Ion Ratio Lower Upper

62 100

64 31.7 25.3 37.9





#5

Bromomethane

Concen: 107.695 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX008065.D

Acq: 14 Mar 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 94 Resp: 143244

Ion Ratio Lower Upper

94 100

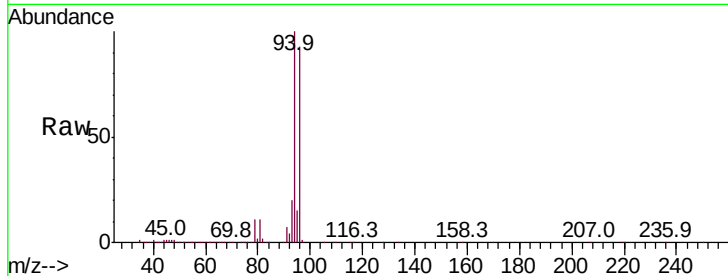
96 93.2 75.5 113.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

150000

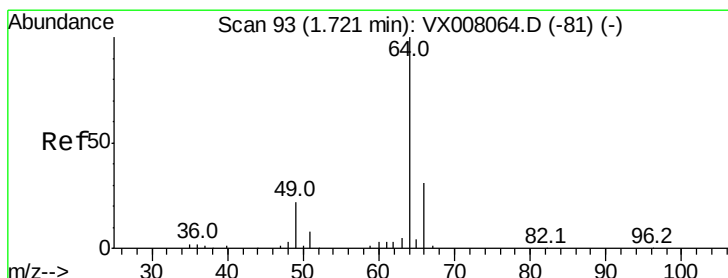
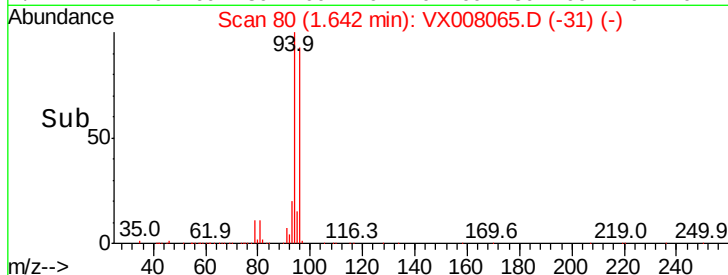
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50000

0

1.64

Time-->



#6

Chloroethane

Concen: 98.207 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX008065.D

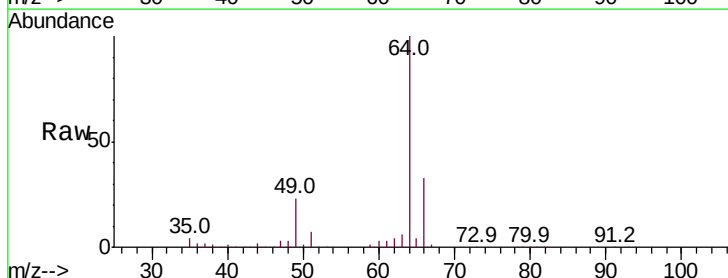
Acq: 14 Mar 2019 11:25

Tgt Ion: 64 Resp: 151027

Ion Ratio Lower Upper

64 100

66 32.9 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

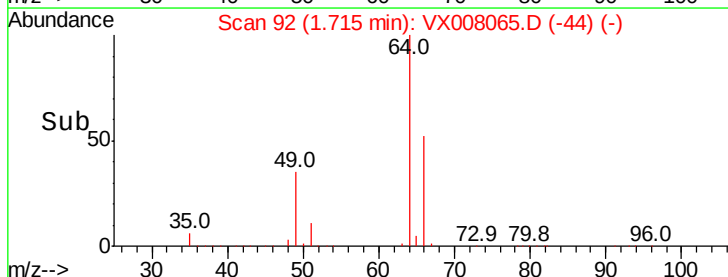
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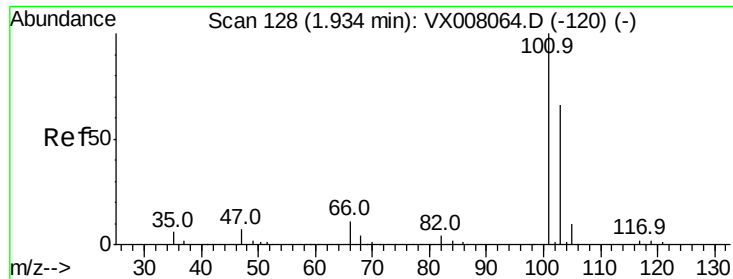
50000

0

1.71

Time-->





#7

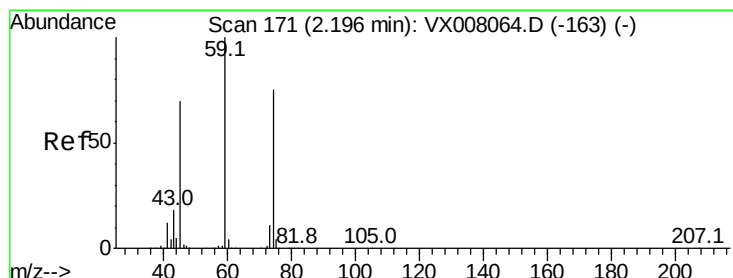
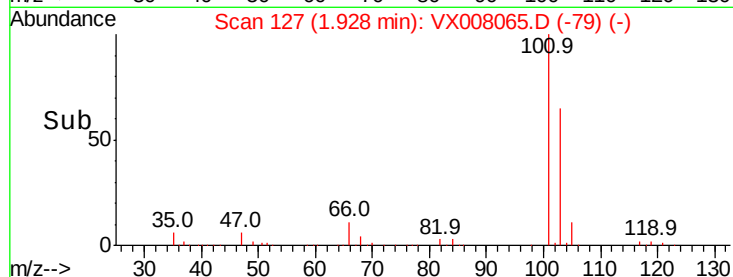
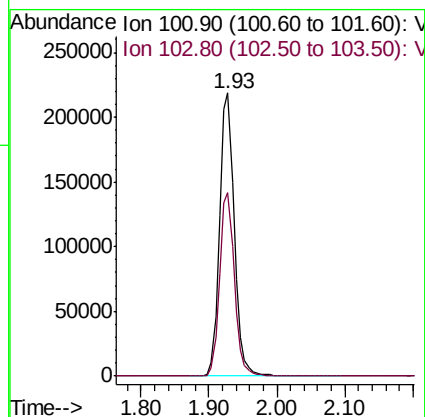
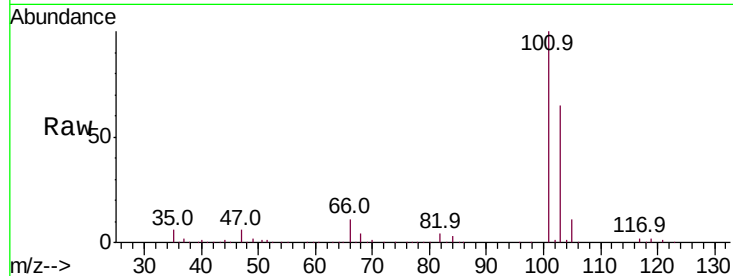
Trichlorofluoromethane
Concen: 105.111 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.01 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	50.4	75.6

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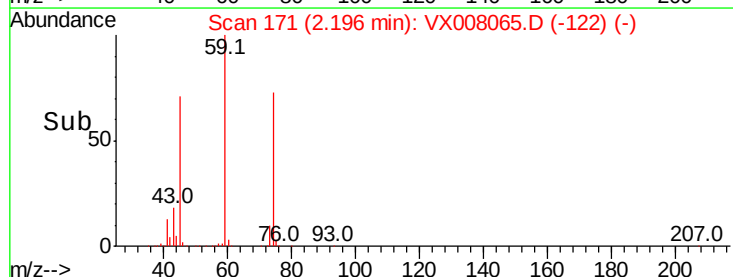
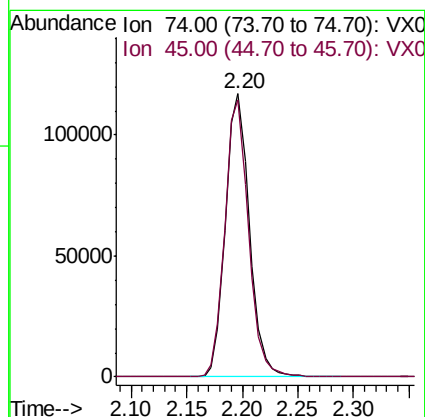
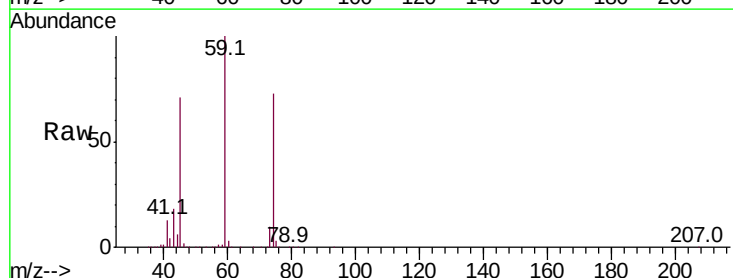
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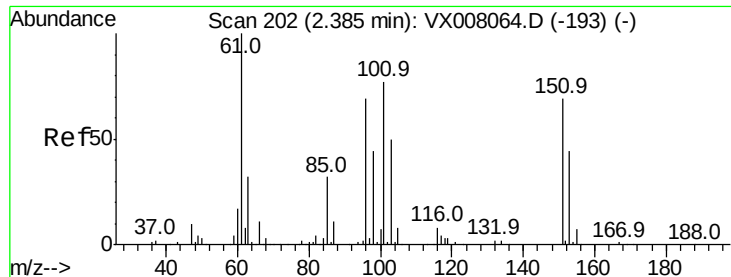


#8

Diethyl Ether
Concen: 104.336 ug/l
RT: 2.20 min Scan# 171
Delta R.T. 0.00 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.1	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 104.737 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX008065.D

Acq: 14 Mar 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:101 Resp: 258208

Ion Ratio Lower Upper

101 100

85 40.5 33.8 50.6

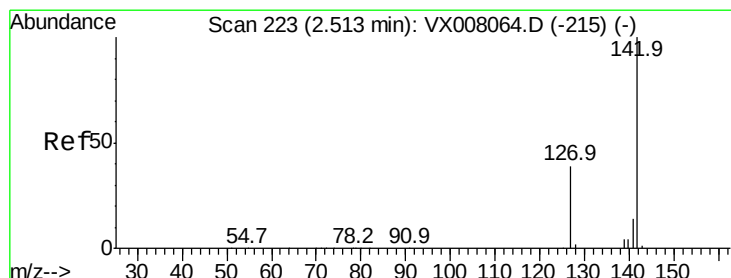
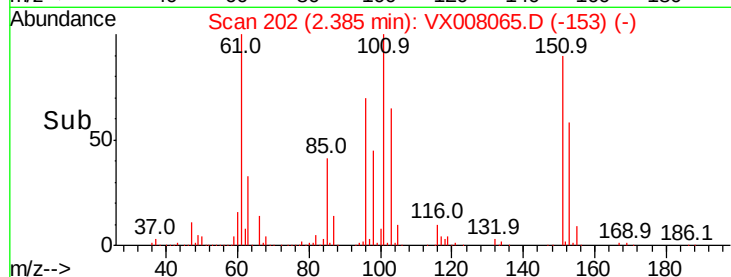
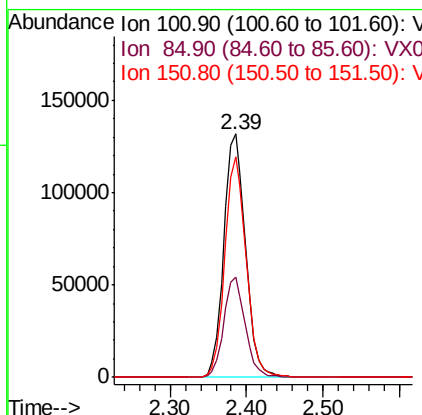
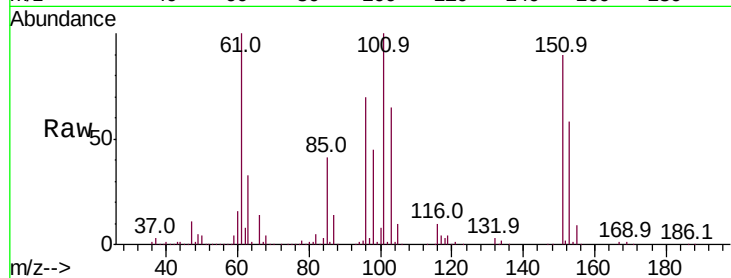
151 88.9 69.1 103.7

Manual Integrations

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#10

Methyl Iodide

Concen: 105.323 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX008065.D

Acq: 14 Mar 2019 11:25

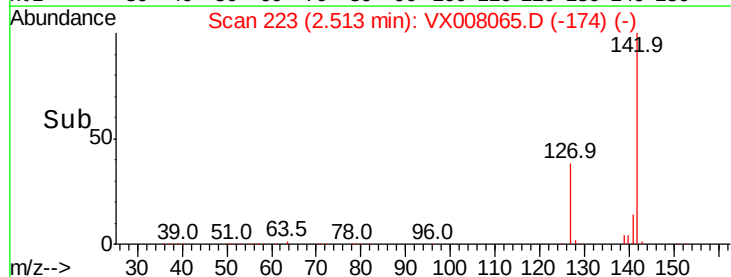
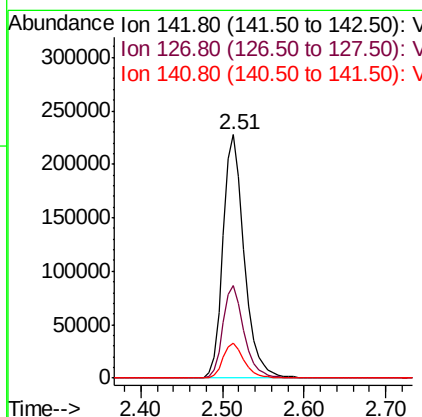
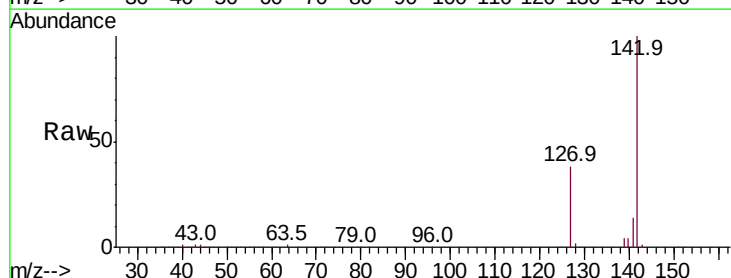
Tgt Ion:142 Resp: 410503

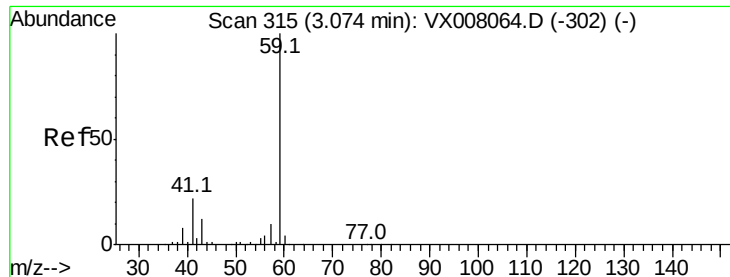
Ion Ratio Lower Upper

142 100

127 38.0 32.1 48.1

141 14.3 11.4 17.2





#11

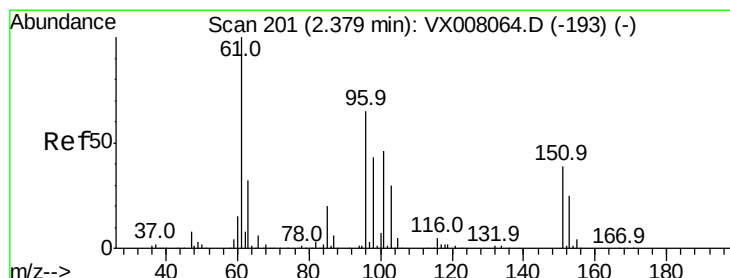
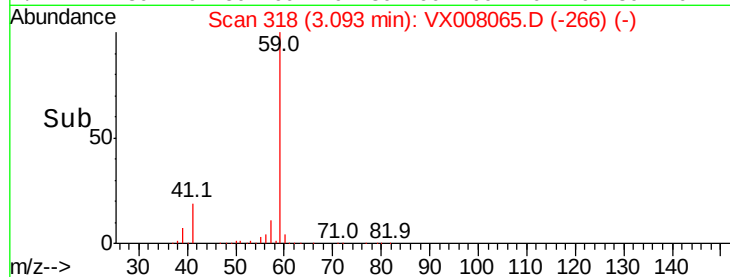
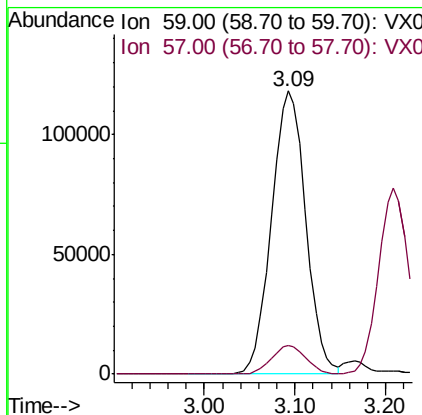
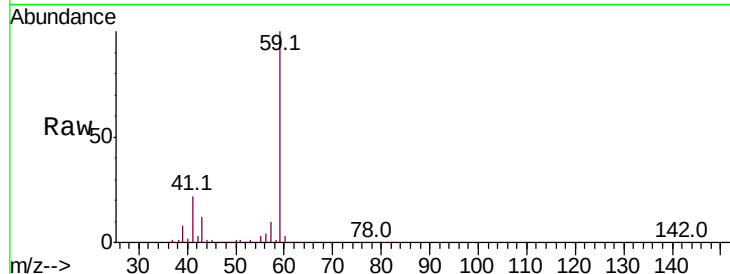
Tert butyl alcohol
Concen: 505.315 ug/l
RT: 3.09 min Scan# 318
Delta R.T. 0.02 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Instrument :
MSVOA_X
ClientSampled :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

Manual Integrations
APPROVED

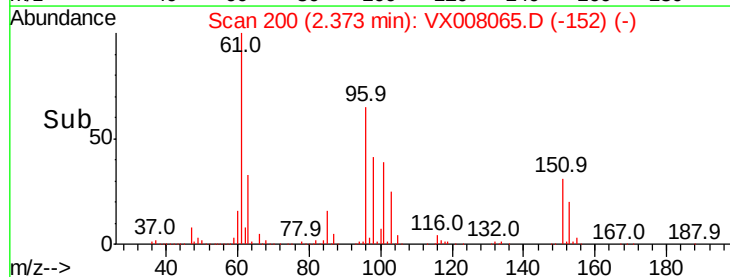
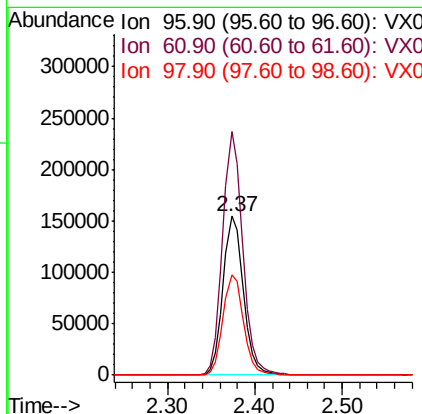
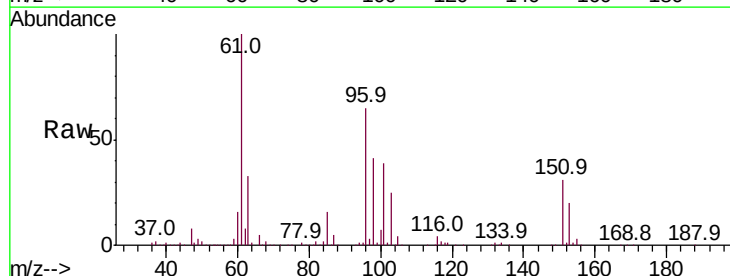
MMDadoda
3/15/2019 9:07:02 AM

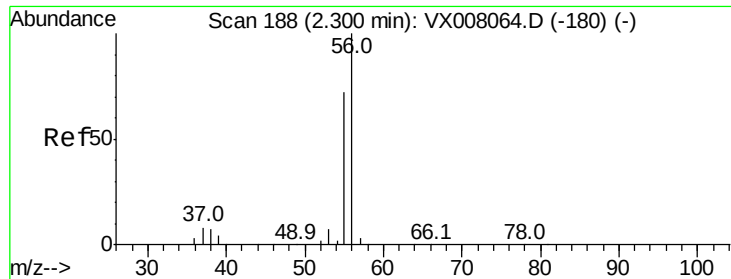


#12

1,1-Dichloroethene
Concen: 105.444 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.01 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.4	129.8	194.6
98	63.2	51.0	76.6





#13

Acrolein

Concen: 502.590 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX008065.D

Acq: 14 Mar 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 56 Resp: 283538

Ion Ratio Lower Upper

56 100

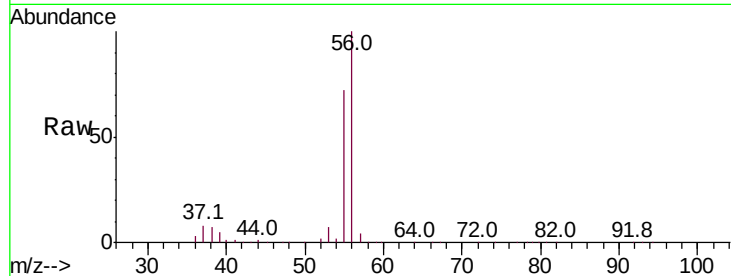
55 71.7 57.8 86.6

Manual Integrations

APPROVED

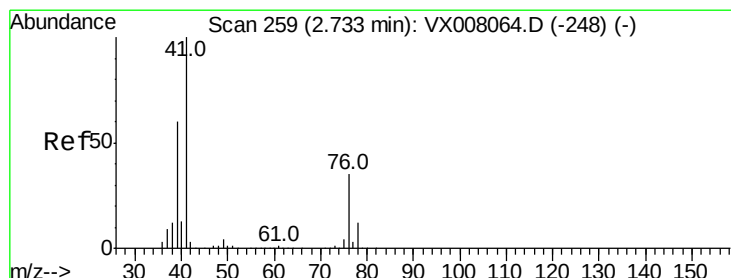
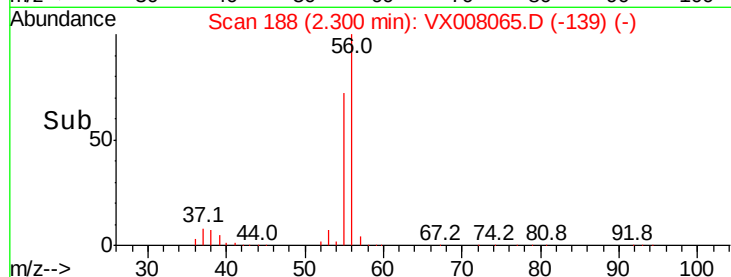
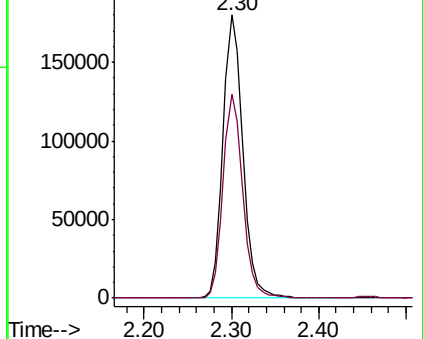
MMDadoda

3/15/2019 9:07:02 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 103.745 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX008065.D

Acq: 14 Mar 2019 11:25

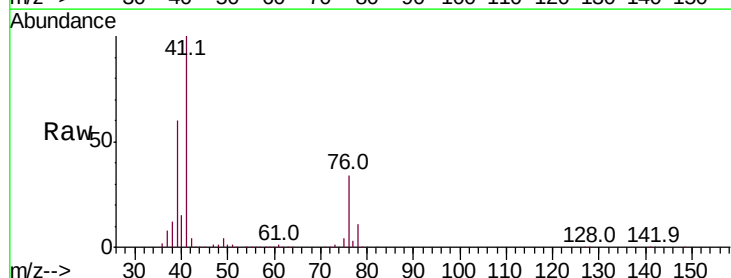
Tgt Ion: 41 Resp: 451192

Ion Ratio Lower Upper

41 100

39 58.3 46.1 69.1

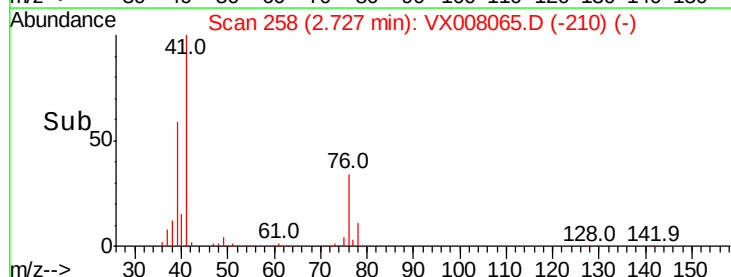
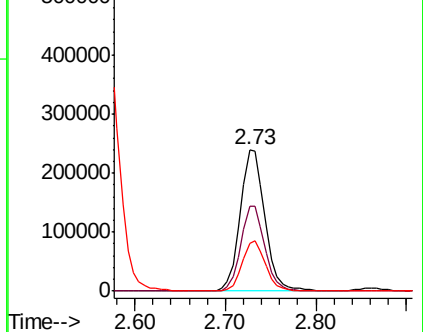
76 33.5 24.0 36.0

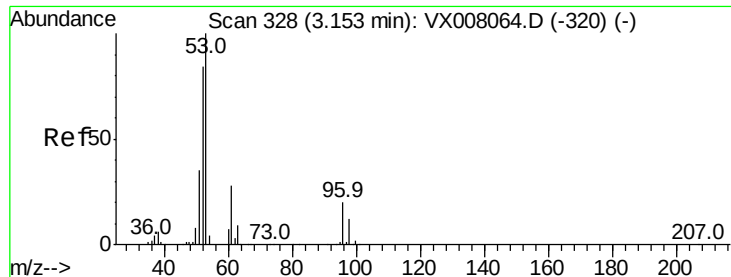


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 507.962 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.01 min

Lab File: VX008065.D

Acq: 14 Mar 2019 11:25

Instrument :

MSVOA_X

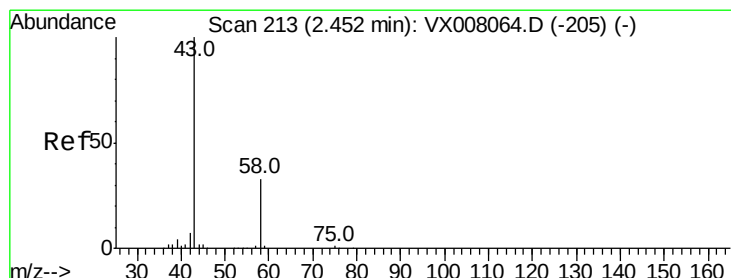
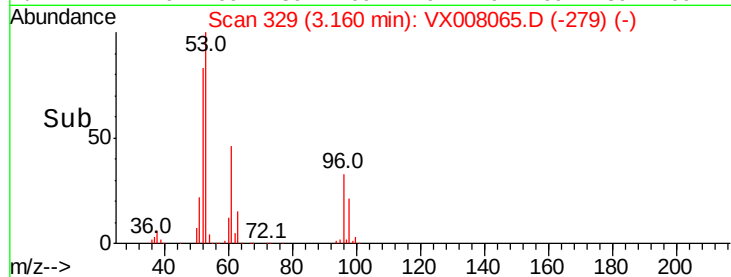
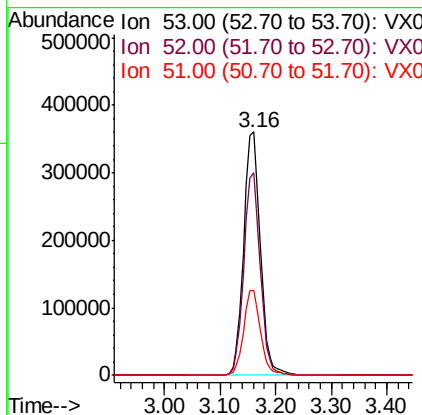
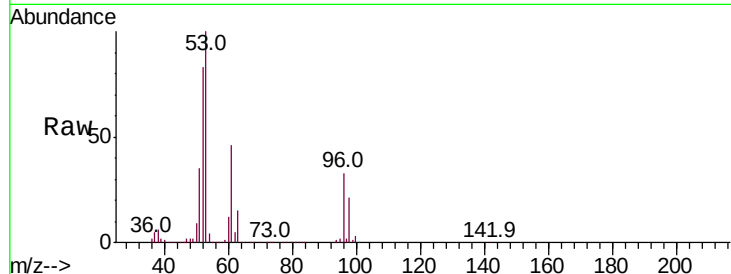
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	753359
Ion Ratio	Lower	Upper	
53	100		
52	82.1	66.0	99.0
51	35.2	28.0	42.0

Manual Integrations
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3/15/2019 9:07:02 AM



#16

Acetone

Concen: 483.772 ug/l

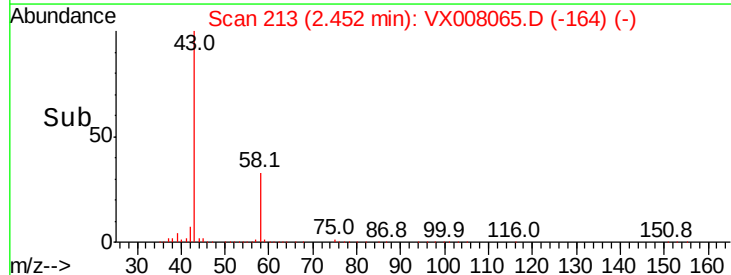
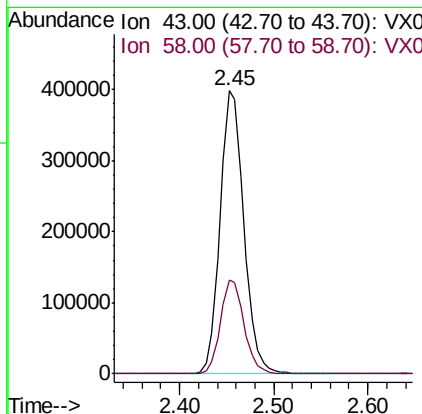
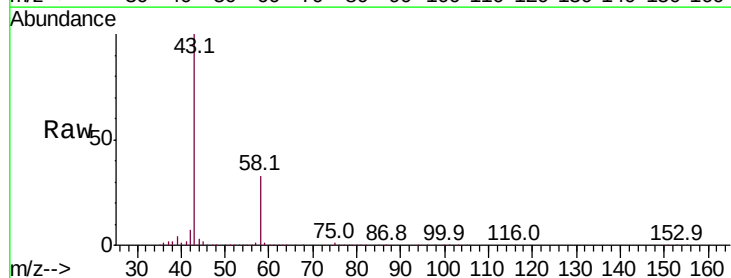
RT: 2.45 min Scan# 213

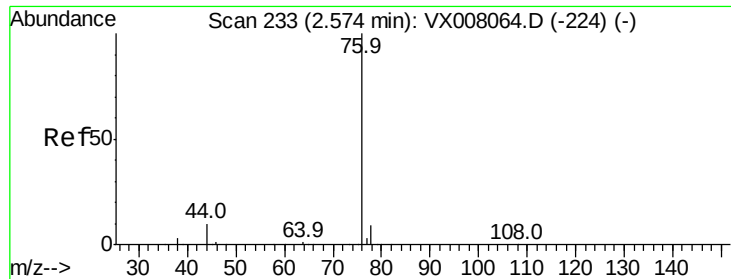
Delta R.T. 0.00 min

Lab File: VX008065.D

Acq: 14 Mar 2019 11:25

Tgt Ion:	43	Resp:	696076
Ion Ratio	Lower	Upper	
43	100		
58	33.0	25.5	38.3





#17

Carbon Disulfide

Concen: 105.224 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX008065.D

Acq: 14 Mar 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 744228

Ion Ratio Lower Upper

76 100

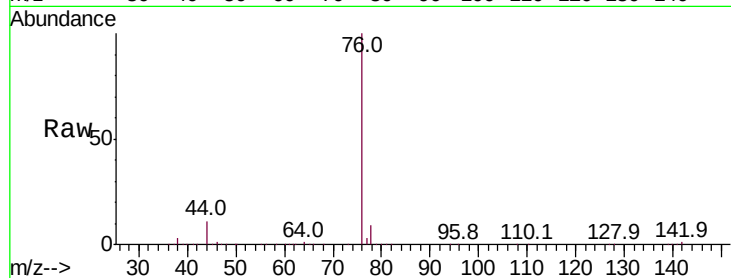
78 9.1 7.2 10.8

Manual Integrations

APPROVED

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3/15/2019 9:07:02 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

400000

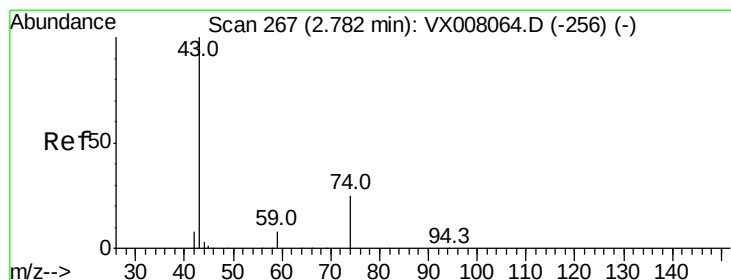
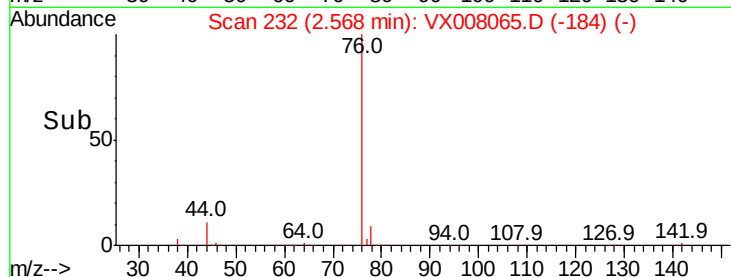
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 102.788 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX008065.D

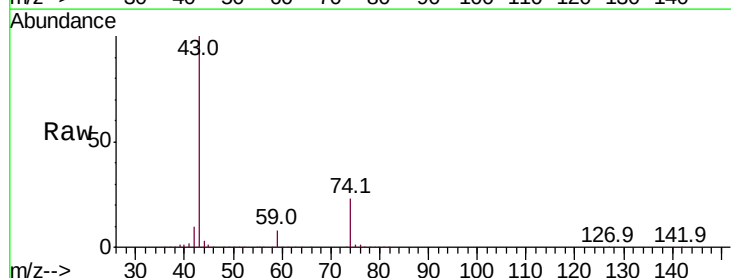
Acq: 14 Mar 2019 11:25

Tgt Ion: 43 Resp: 334915

Ion Ratio Lower Upper

43 100

74 23.7 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

200000

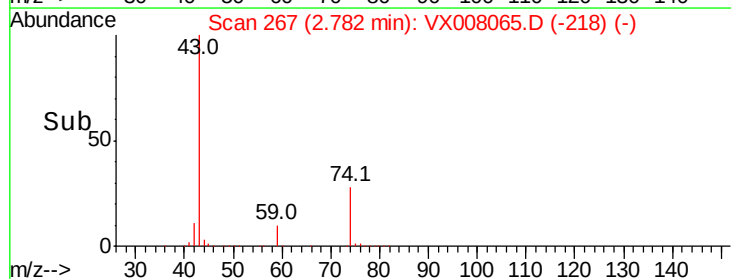
150000

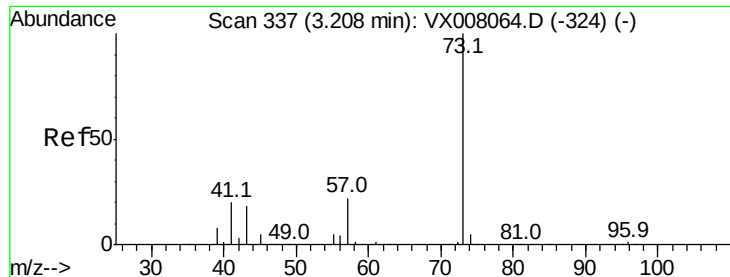
100000

50000

0

Time-->





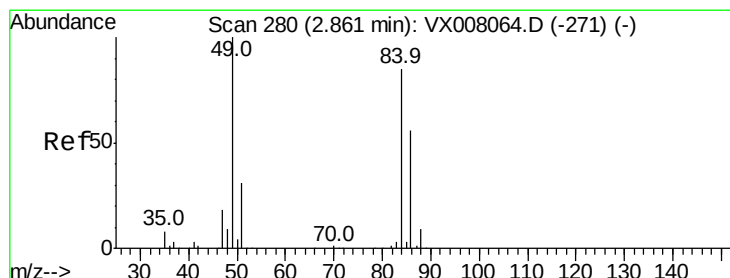
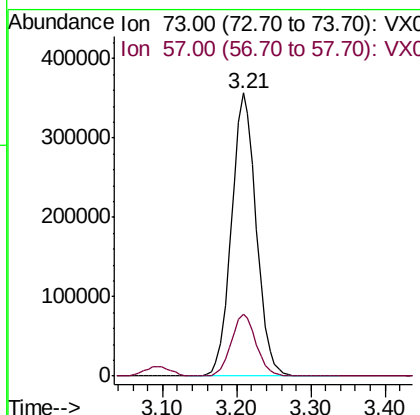
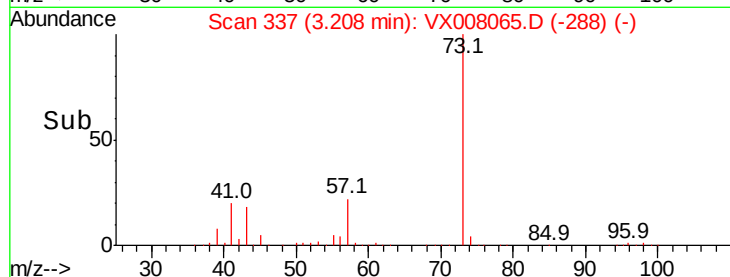
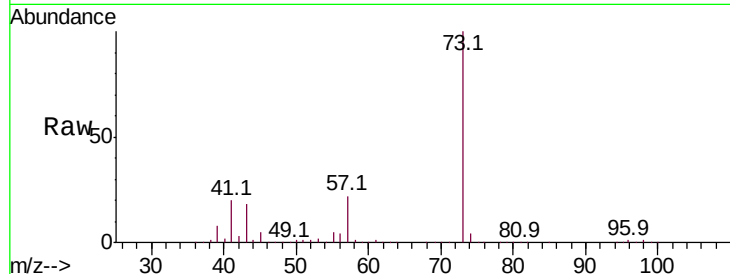
#19
Methyl tert-butyl Ether
Concen: 104.193 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 827885
Ion Ratio Lower Upper
73 100
57 21.8 18.2 27.4

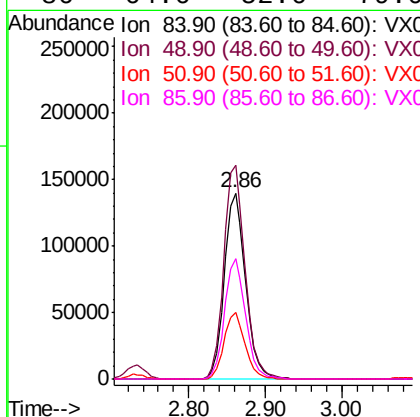
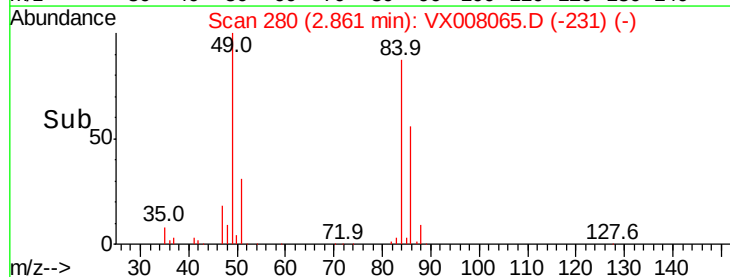
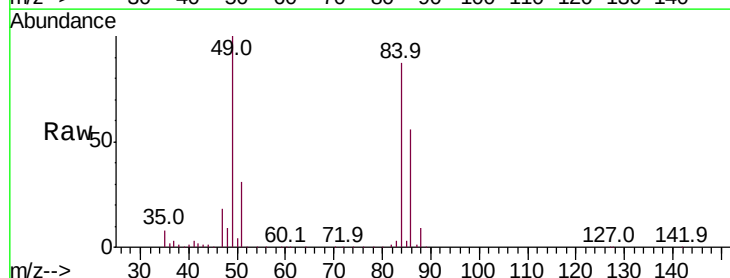
Manual Integrations
APPROVED

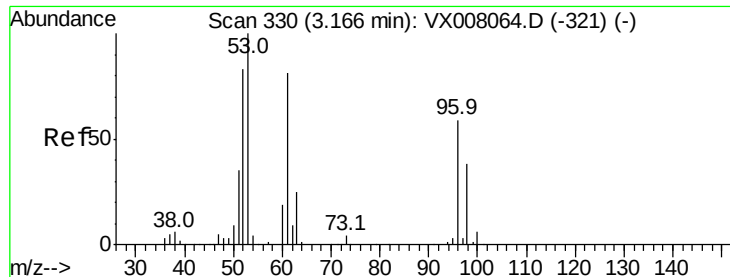
MMDadoda
3/15/2019 9:07:02 AM



#20
Methylene Chloride
Concen: 102.546 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Tgt Ion: 84 Resp: 266811
Ion Ratio Lower Upper
84 100
49 114.9 99.3 148.9
51 35.6 31.3 46.9
86 64.6 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 103.377 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008065.D

Acq: 14 Mar 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 96 Resp: 261708

Ion Ratio Lower Upper

96 100

61 134.8 114.4 171.6

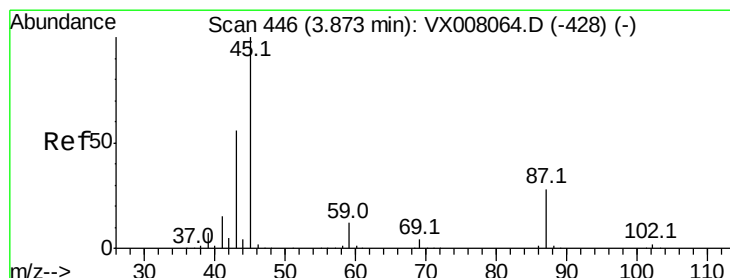
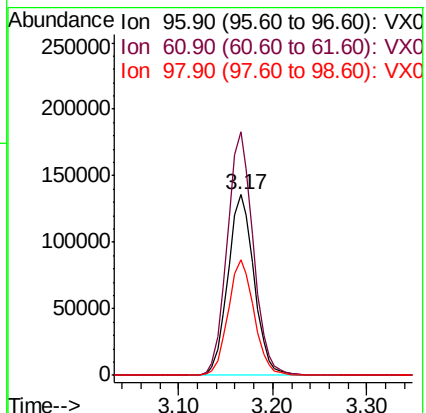
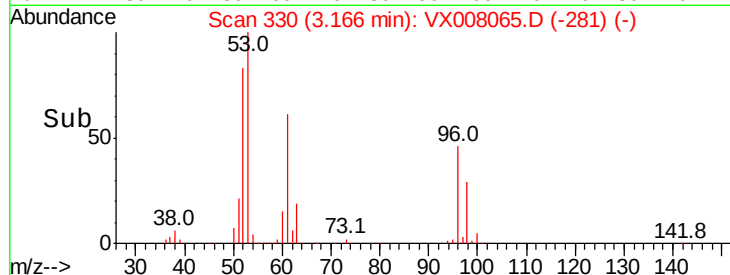
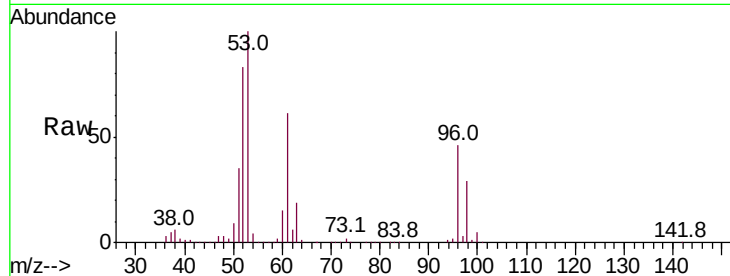
98 64.2 51.1 76.7

Manual Integrations

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3/15/2019 9:07:02 AM



#22

Diisopropyl ether

Concen: 100.626 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX008065.D

Acq: 14 Mar 2019 11:25

Tgt Ion: 45 Resp: 875918

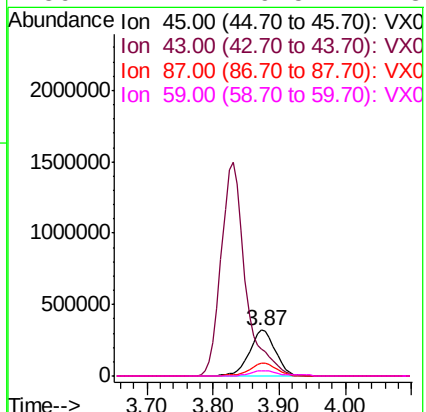
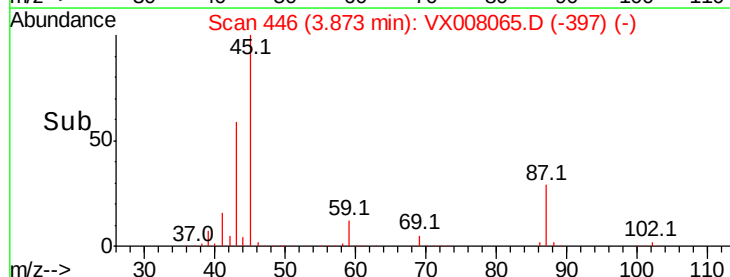
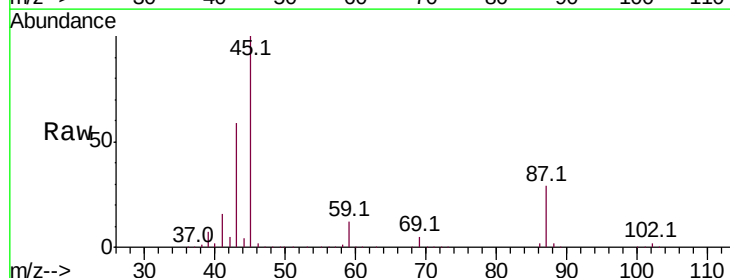
Ion Ratio Lower Upper

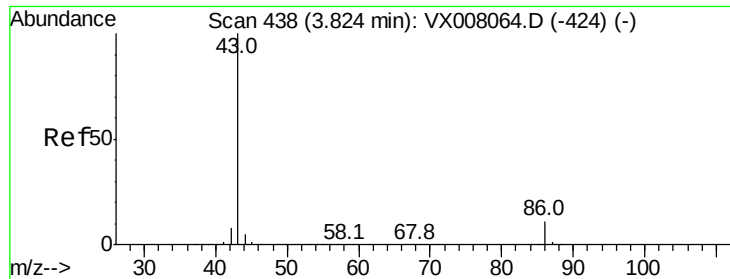
45 100

43 59.4 45.3 67.9

87 28.7 21.4 32.0

59 11.7 9.5 14.3





#23

Vinyl Acetate

Concen: 506.419 ug/l

RT: 3.83 min Scan# 439

Delta R.T. 0.01 min

Lab File: VX008065.D

Acq: 14 Mar 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 3852586

Ion Ratio Lower Upper

43 100

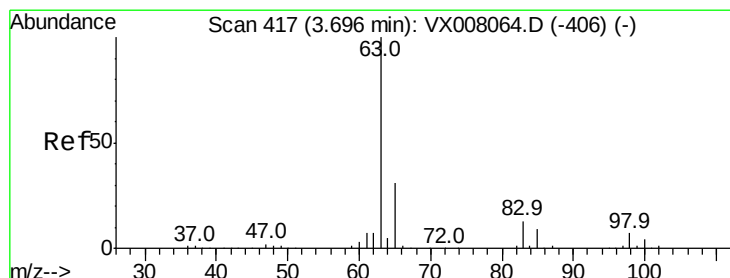
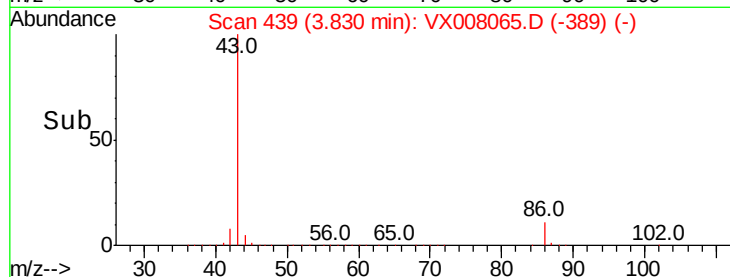
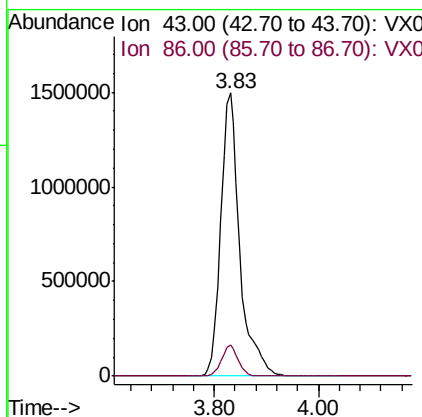
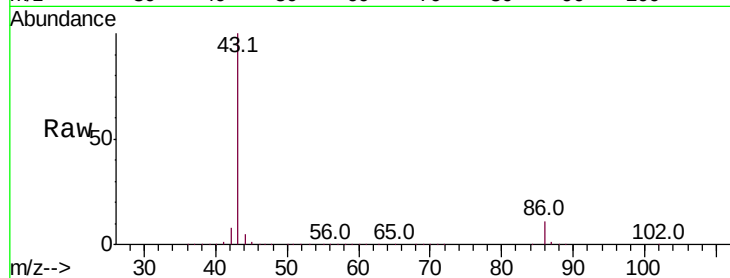
86 10.9 7.9 11.9

Manual Integrations

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3/15/2019 9:07:02 AM



#24

1,1-Dichloroethane

Concen: 101.839 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008065.D

Acq: 14 Mar 2019 11:25

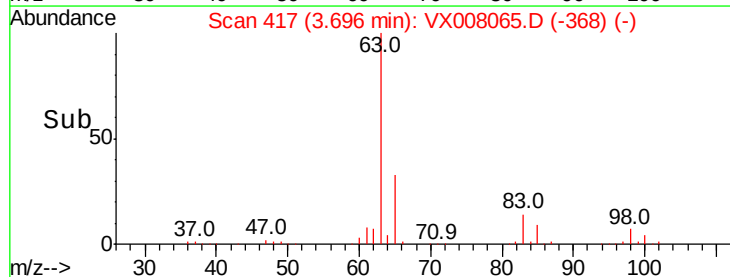
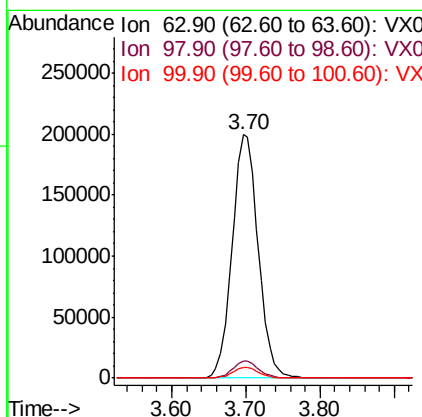
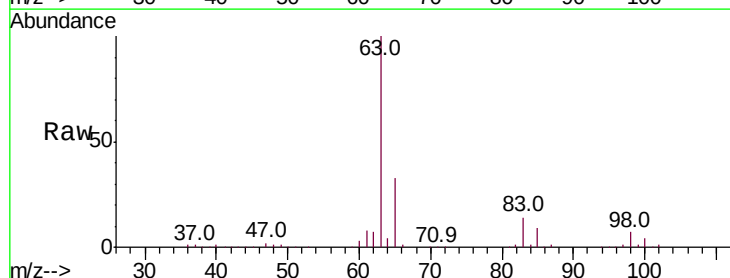
Tgt Ion: 63 Resp: 487246

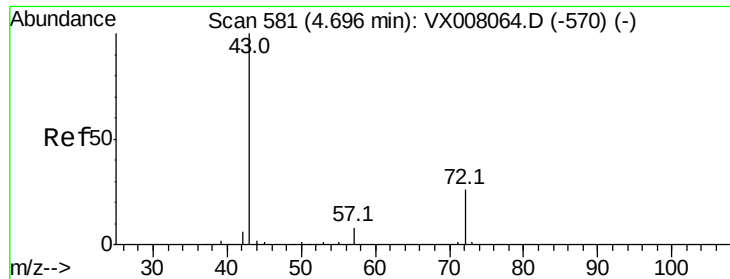
Ion Ratio Lower Upper

63 100

98 7.1 3.3 9.8

100 4.5 2.3 6.8





#25

2-Butanone

Concen: 492.314 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX008065.D

Acq: 14 Mar 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1127054

Ion Ratio Lower Upper

43 100

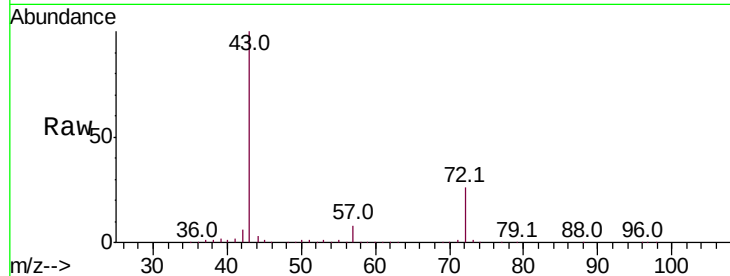
72 26.4 19.9 29.9

Manual Integrations

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MMDadoda

3/15/2019 9:07:02 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.70

400000

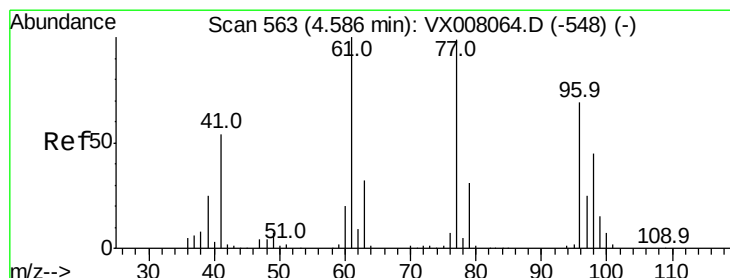
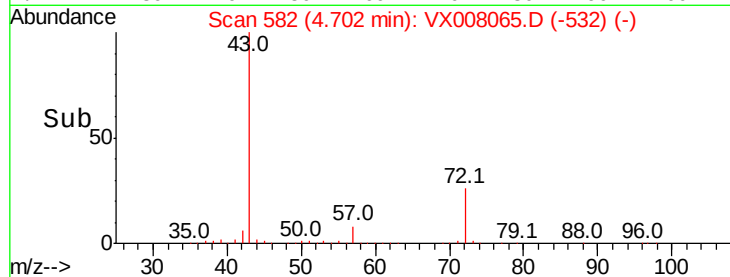
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 105.783 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX008065.D

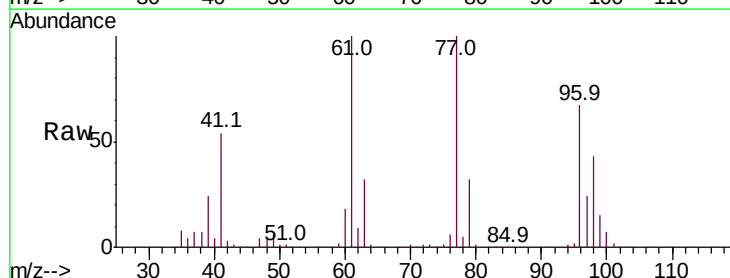
Acq: 14 Mar 2019 11:25

Tgt Ion: 77 Resp: 378241

Ion Ratio Lower Upper

77 100

97 24.9 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

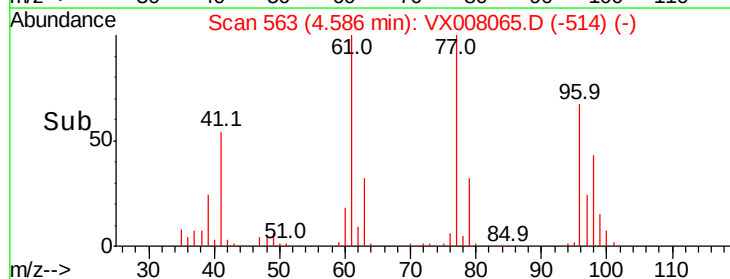
4.59

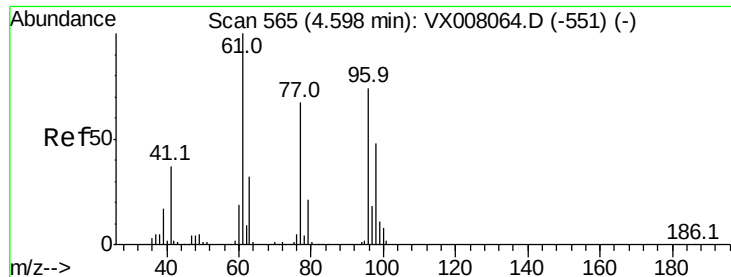
100000

50000

0

Time-->





#27

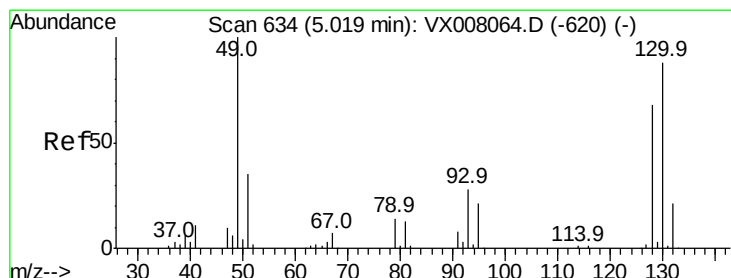
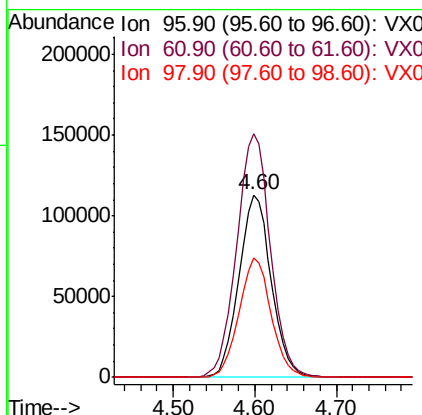
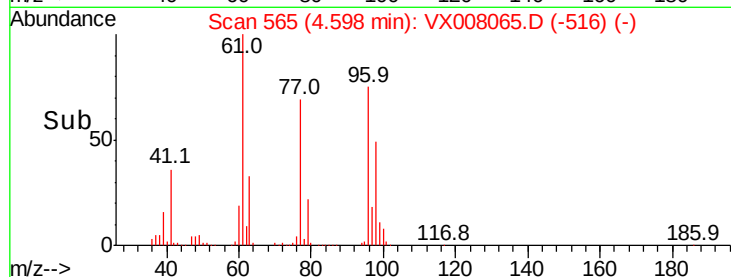
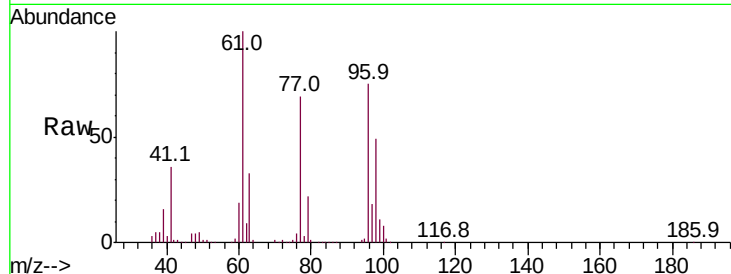
cis-1,2-Dichloroethene
Concen: 104.604 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	310717		
61	139.3	0.0	288.0	
98	65.0	0.0	129.0	

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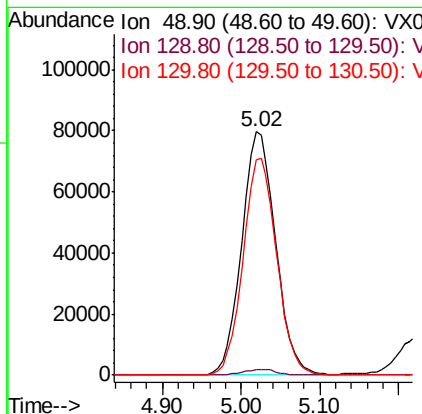
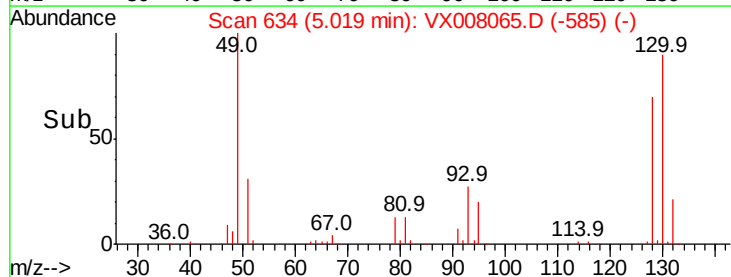
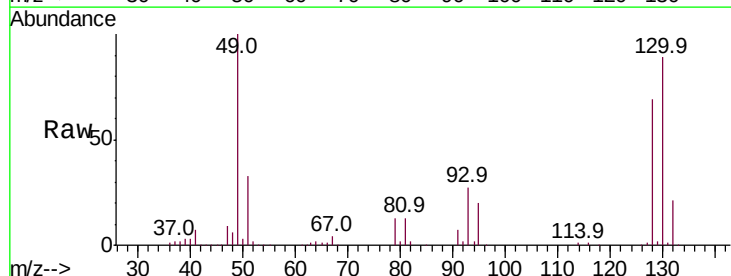
MMDadoda
3/15/2019 9:07:02 AM

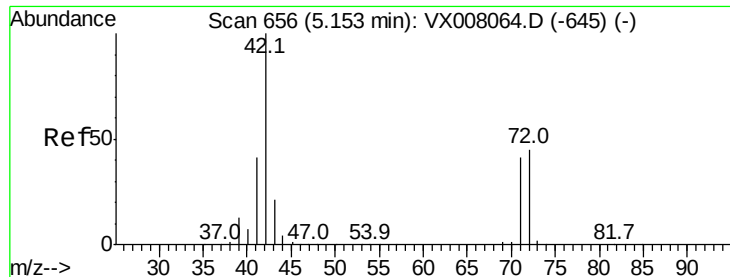


#28

Bromochloromethane
Concen: 103.636 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	238647		
129	2.3	0.0	4.0	
130	88.3	65.0	97.4	





#29

Tetrahydrofuran

Concen: 499.757 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX008065.D

Acq: 14 Mar 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 42 Resp: 726272

Ion Ratio Lower Upper

42 100

72 44.5 33.8 50.6

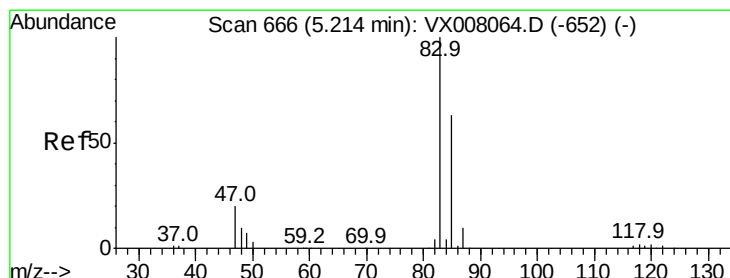
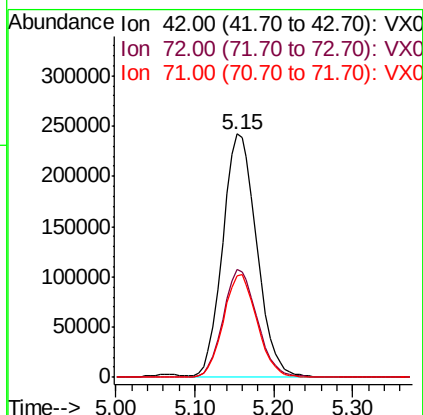
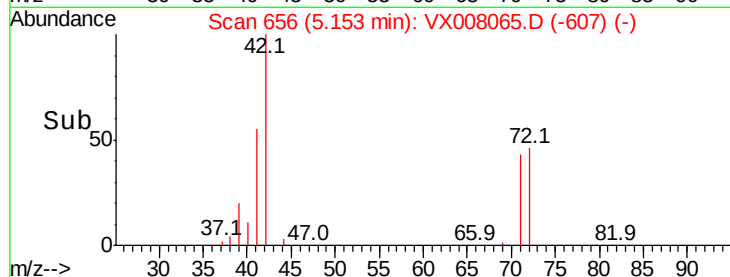
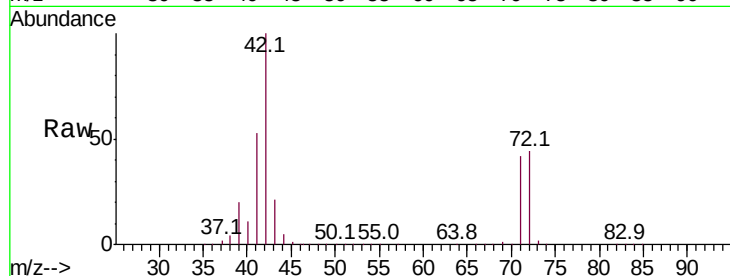
71 41.9 31.5 47.3

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#30

Chloroform

Concen: 103.907 ug/l

RT: 5.22 min Scan# 667

Delta R.T. 0.01 min

Lab File: VX008065.D

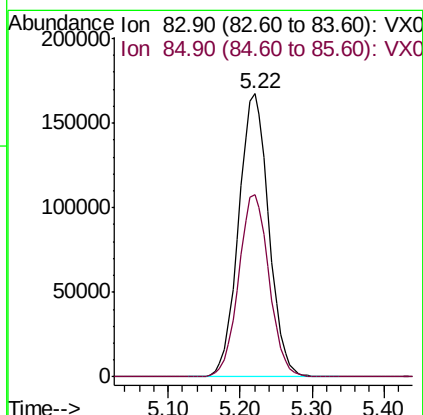
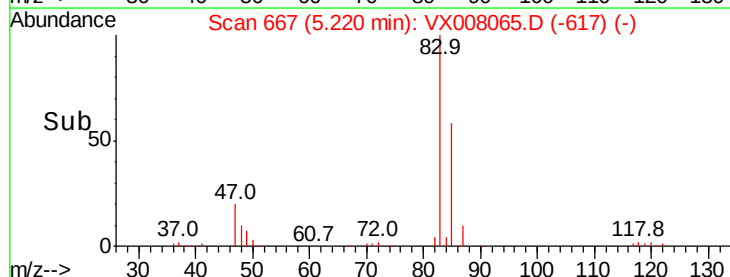
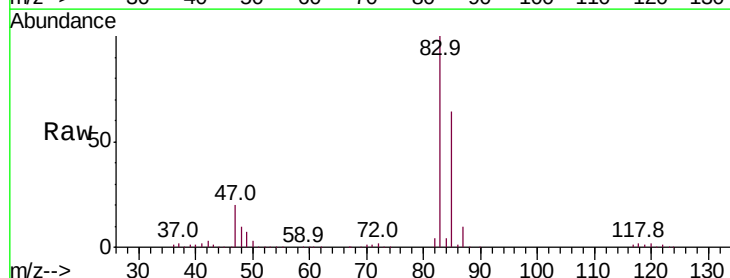
Acq: 14 Mar 2019 11:25

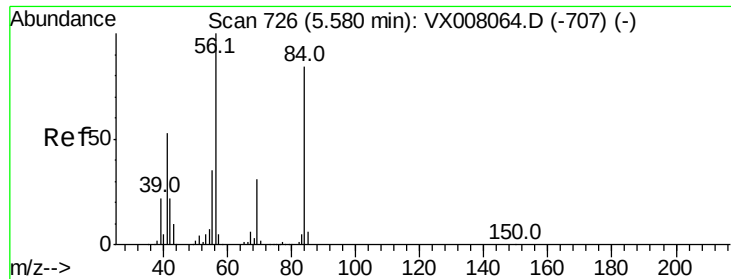
Tgt Ion: 83 Resp: 486136

Ion Ratio Lower Upper

83 100

85 64.4 51.8 77.6





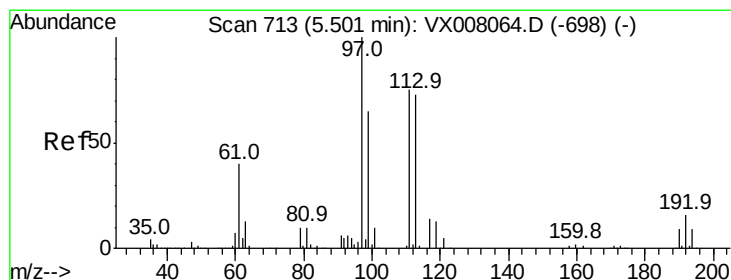
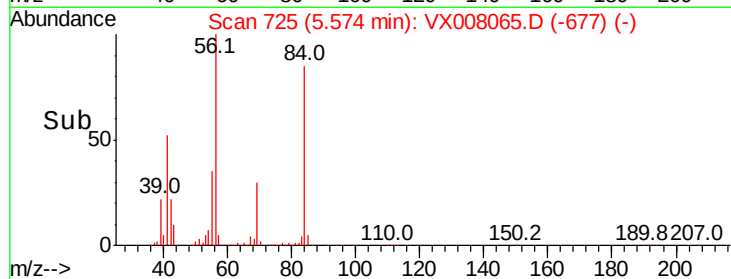
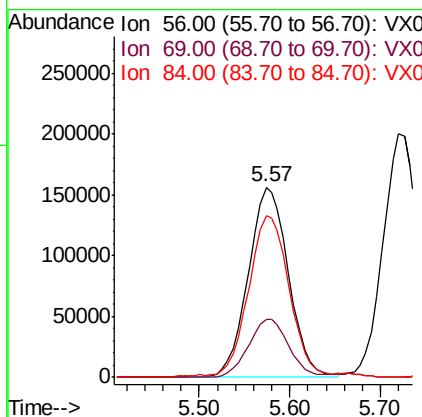
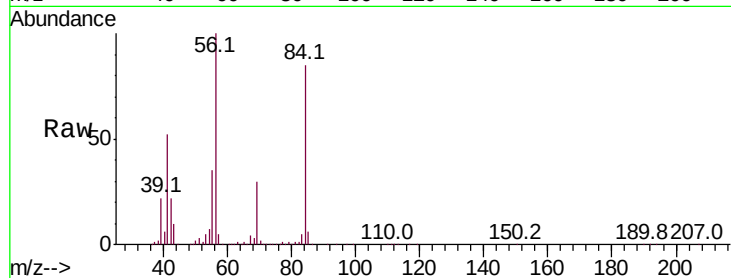
#31
Cyclohexane
Concen: 104.696 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	24.0	36.0
84	84.1	65.3	97.9

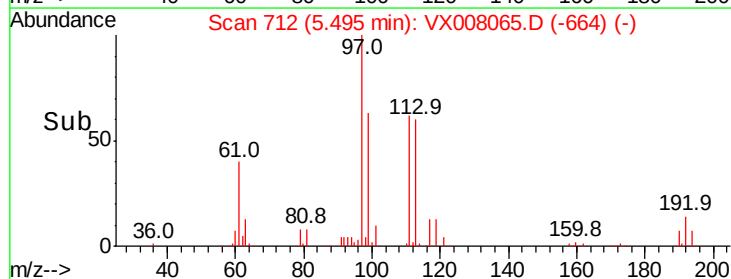
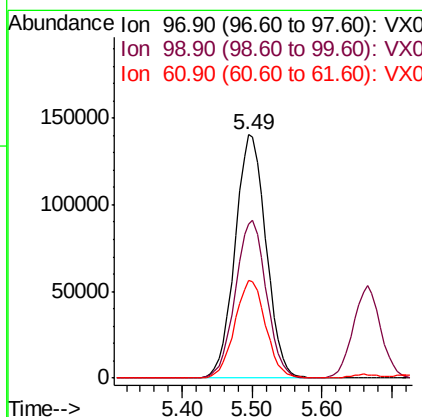
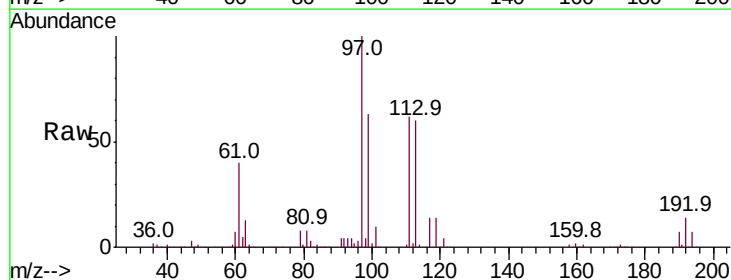
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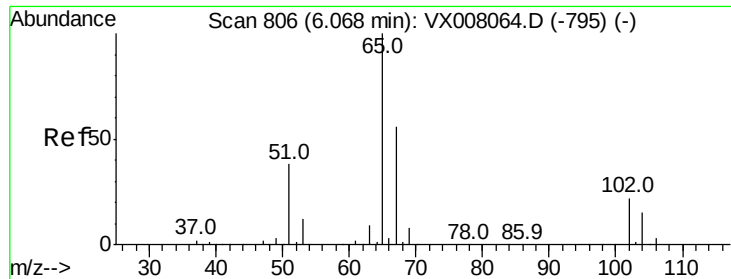
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 105.636 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.2	78.2
61	40.0	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 102.073 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008065.D

Acq: 14 Mar 2019 11:25

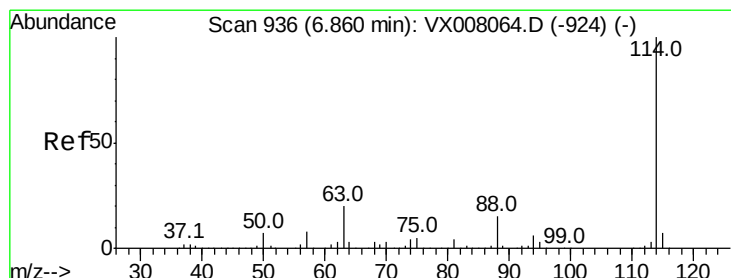
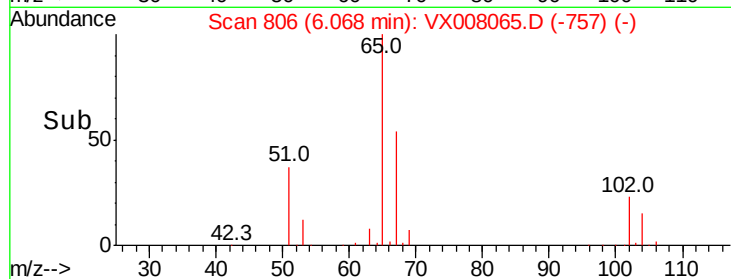
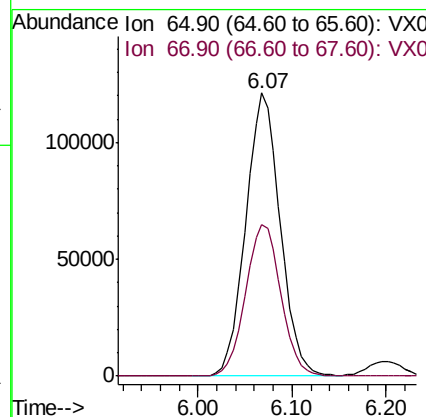
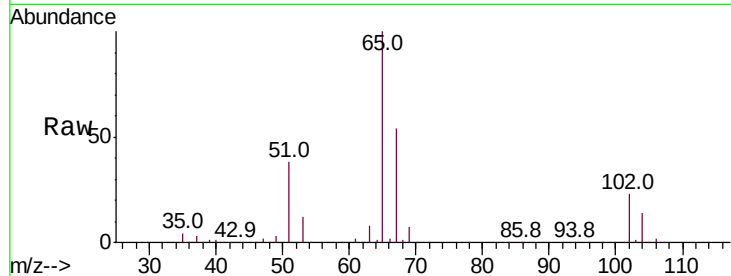
Instrument :
MSVOA_X

ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.0	0.0	110.0

Manual Integrations
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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

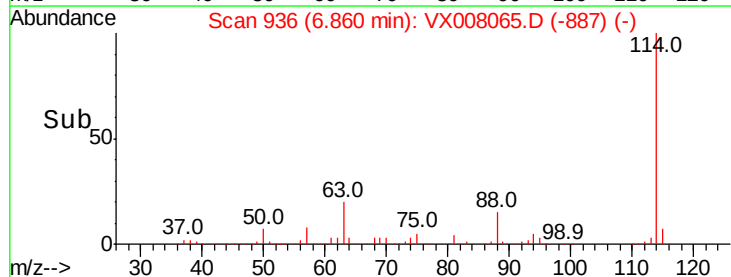
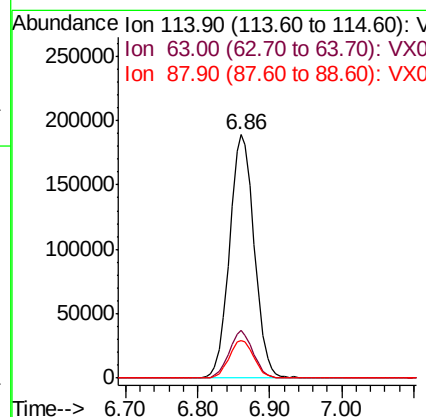
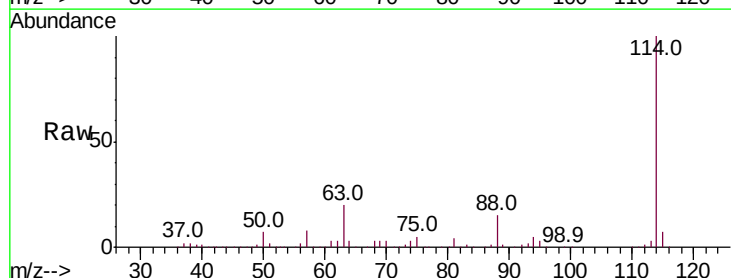
RT: 6.86 min Scan# 936

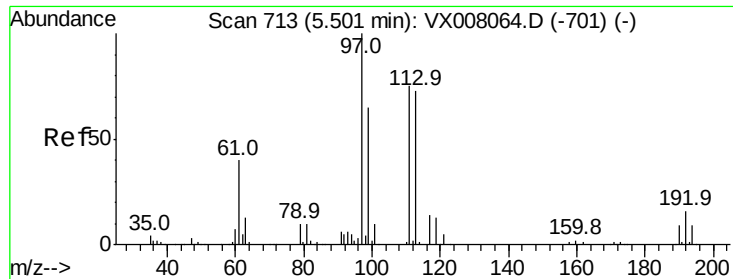
Delta R.T. 0.00 min

Lab File: VX008065.D

Acq: 14 Mar 2019 11:25

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	39.8
88	15.4	0.0	31.4





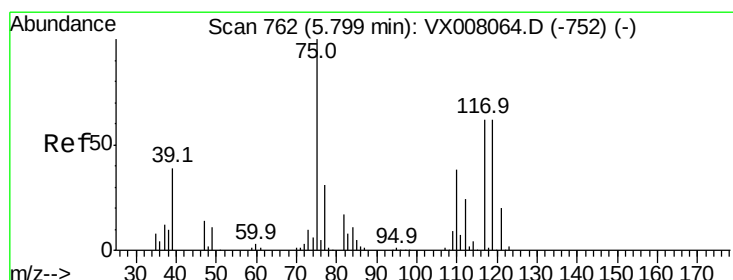
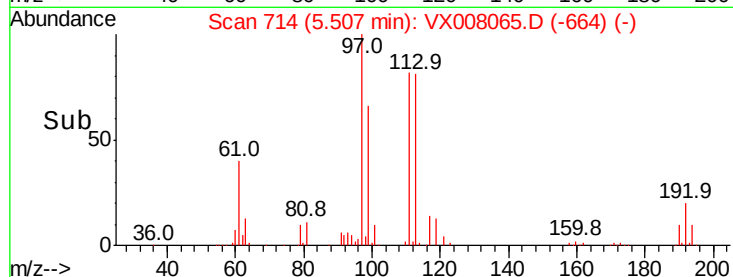
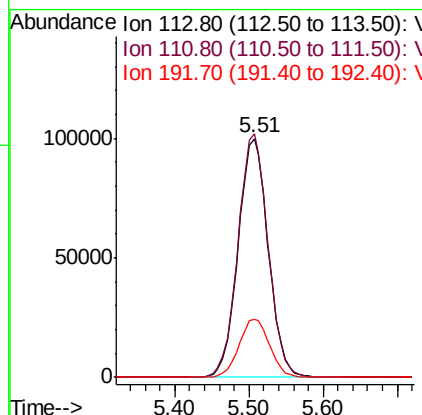
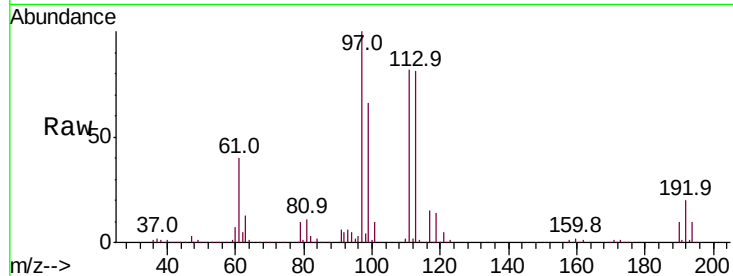
#35
Dibromofluoromethane
Concen: 103.945 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	283595		
111	101.8	81.4	122.0	
192	24.7	19.4	29.0	

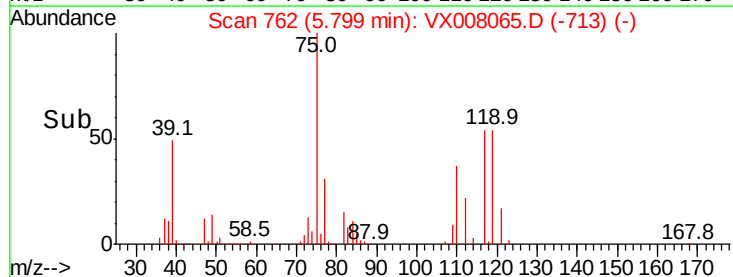
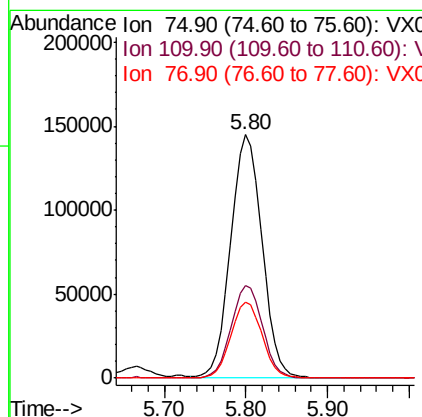
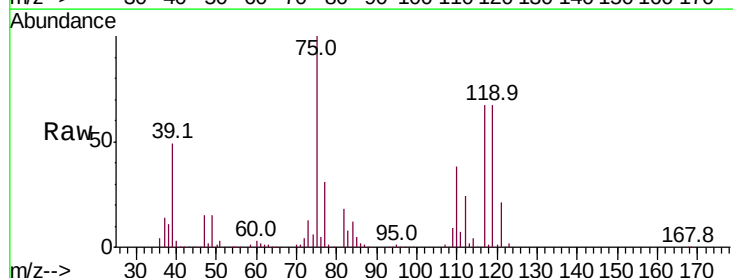
Manual Integrations
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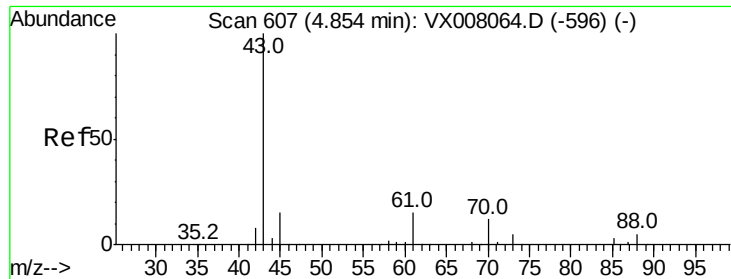
MMDadoda
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#36
1,1-Dichloropropene
Concen: 106.950 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	384660		
110	38.1	18.4	55.0	
77	31.1	25.0	37.4	





#37

Ethyl Acetate

Concen: 104.007 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX008065.D

Acq: 14 Mar 2019 11:25

Instrument :

MSVOA_X

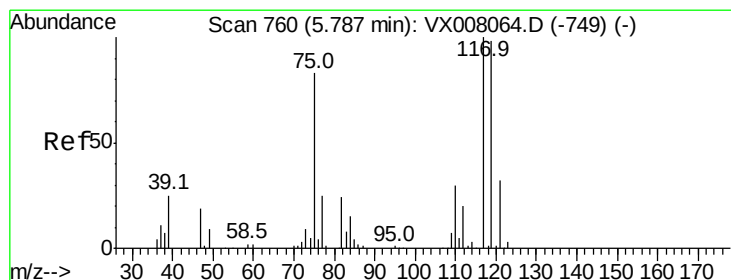
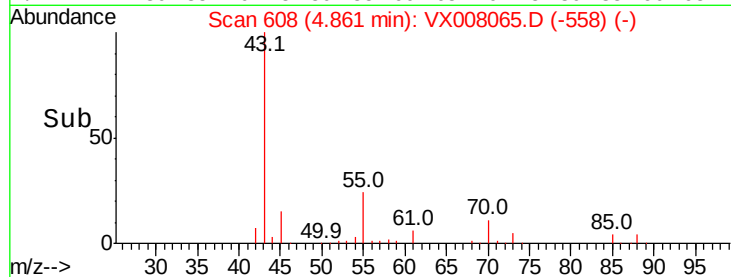
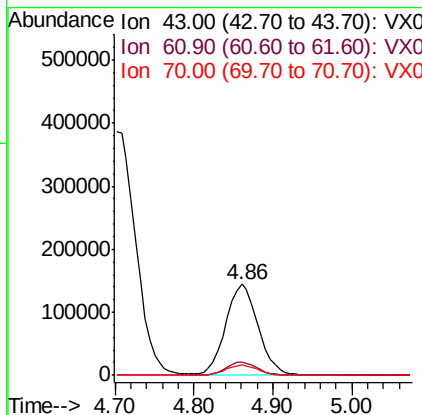
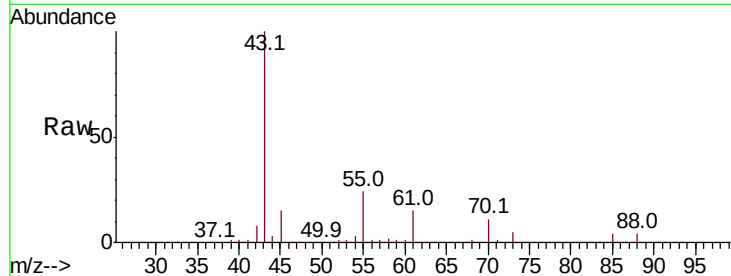
ClientSampled :

VSTDIC100

Tot Ion:	43	Resp:	413893
Ion Ratio	Lower	Upper	
43	100		
61	14.8	11.3	16.9
70	11.2	8.5	12.7

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 108.345 ug/l

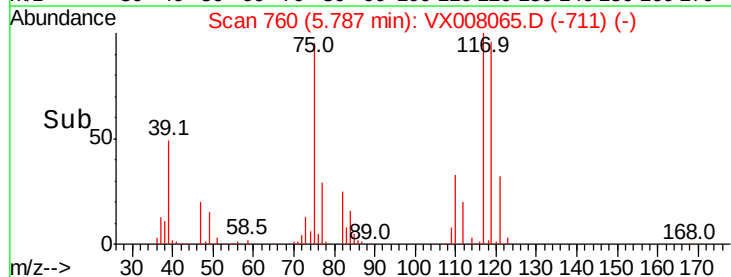
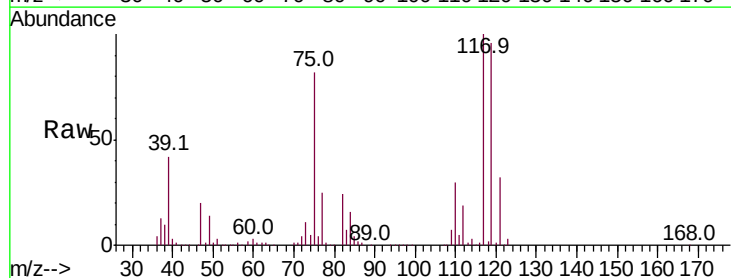
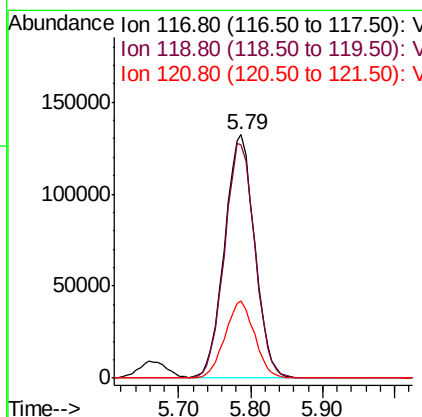
RT: 5.79 min Scan# 760

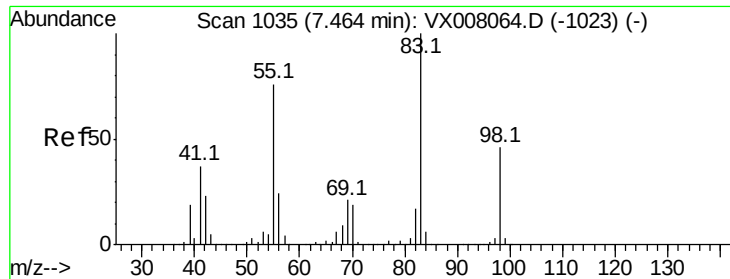
Delta R.T. 0.00 min

Lab File: VX008065.D

Acq: 14 Mar 2019 11:25

Tgt Ion:	117	Resp:	385170
Ion Ratio	Lower	Upper	
117	100		
119	96.0	76.2	114.2
121	31.8	24.6	36.8





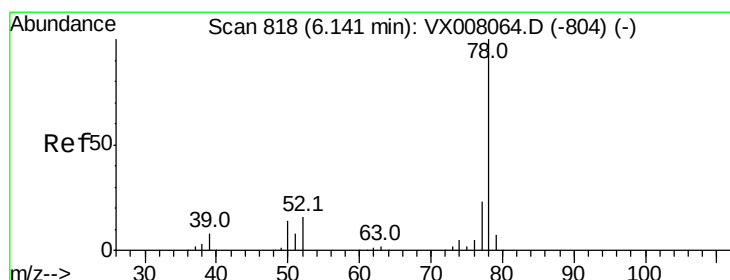
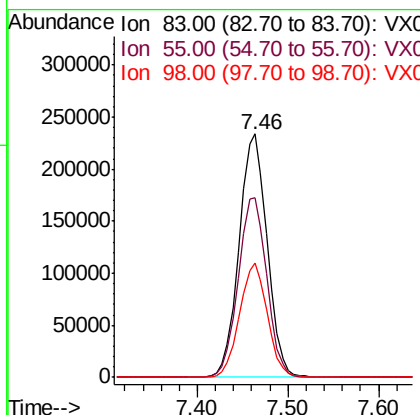
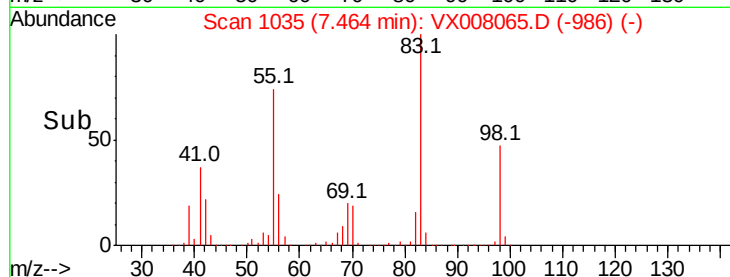
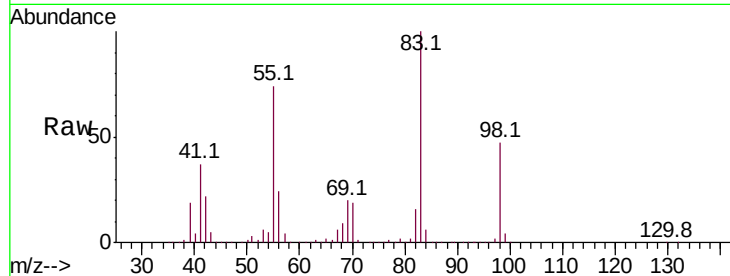
#39
Methylvlcyclohexane
Concen: 106.733 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.5	60.4	90.6
98	46.9	36.5	54.7

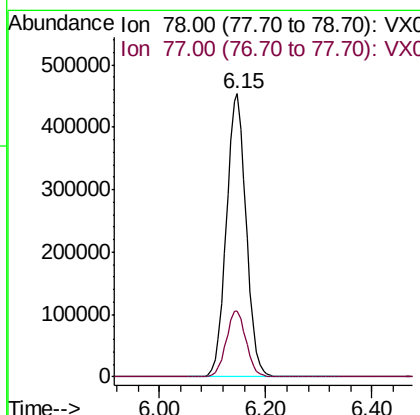
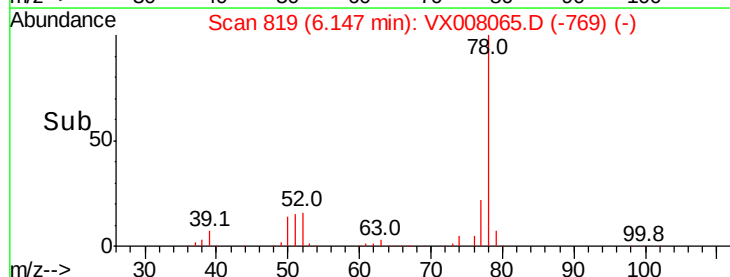
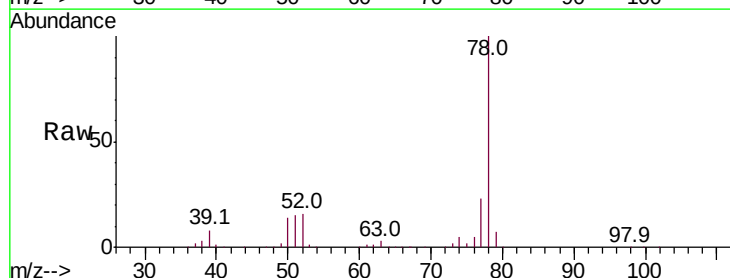
Manual Integrations
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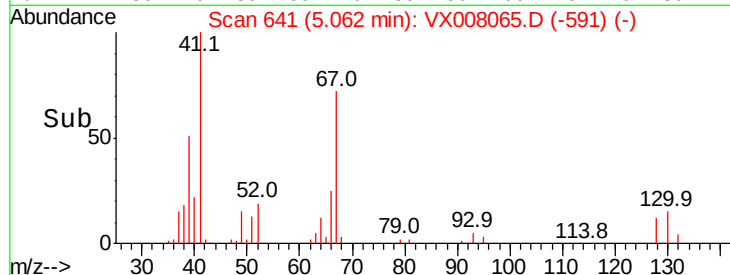
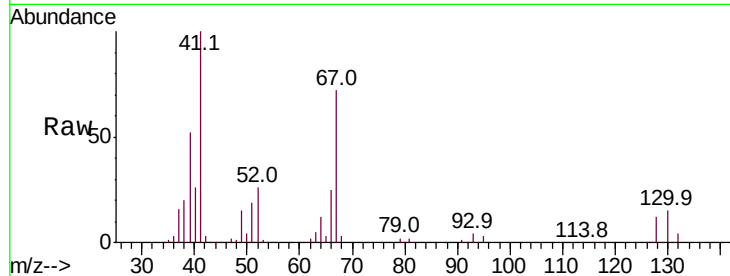
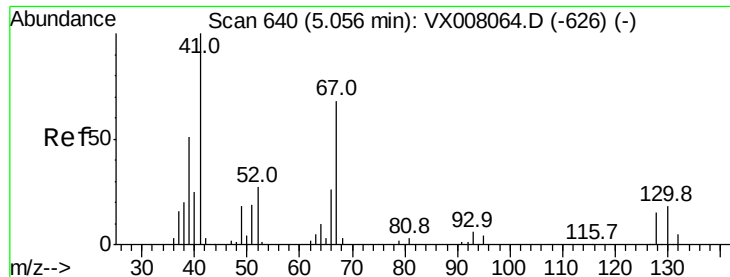
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#40
Benzene
Concen: 106.626 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

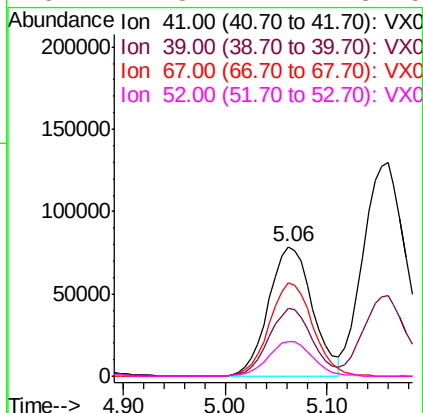
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.4





#41
Methacrylonitrile
Concen: 103.826 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

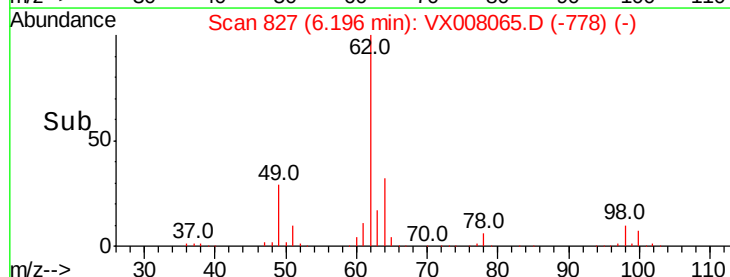
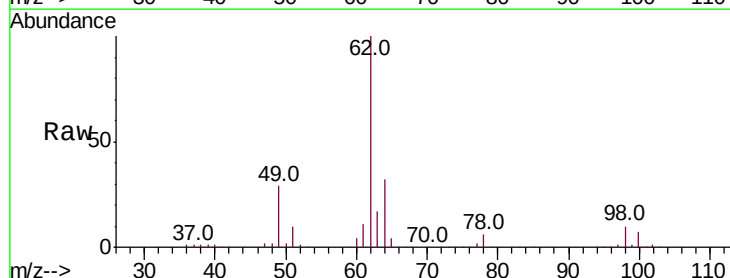
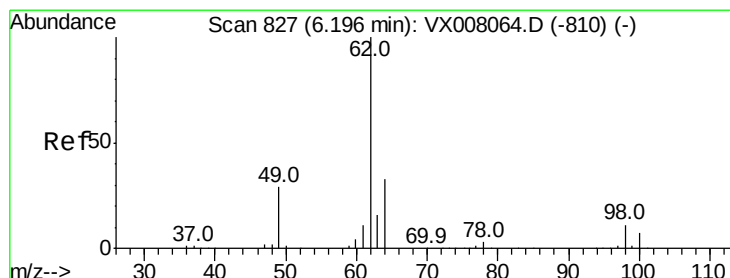
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.8	41.6	62.4	
67	71.7	55.8	83.6	
52	27.3	21.7	32.5	



Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

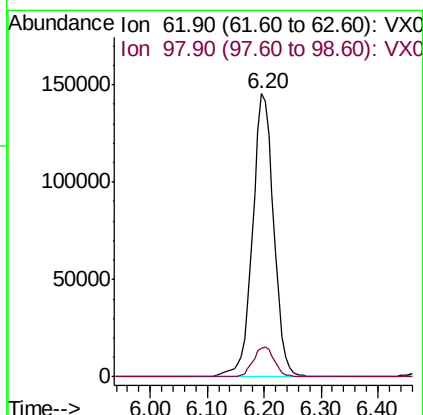
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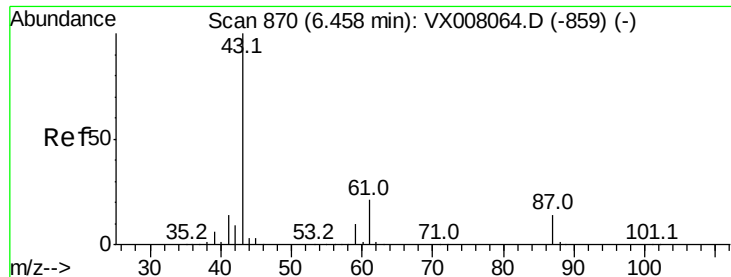
MMDadoda
3/15/2019 9:07:02 AM



#42
1,2-Dichloroethane
Concen: 106.111 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.5	0.0	20.4	





#43

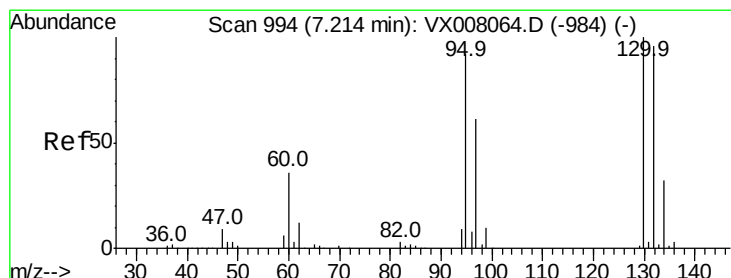
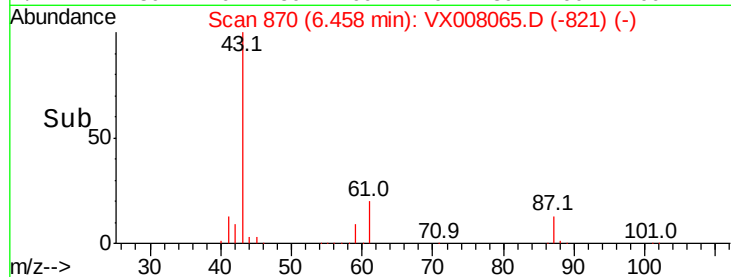
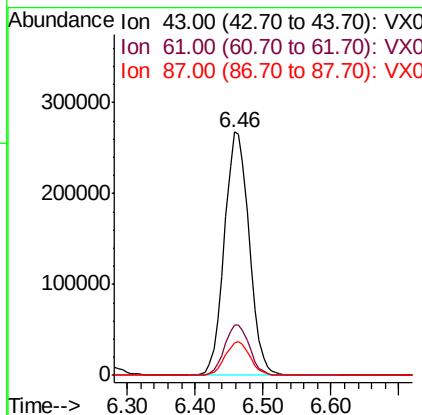
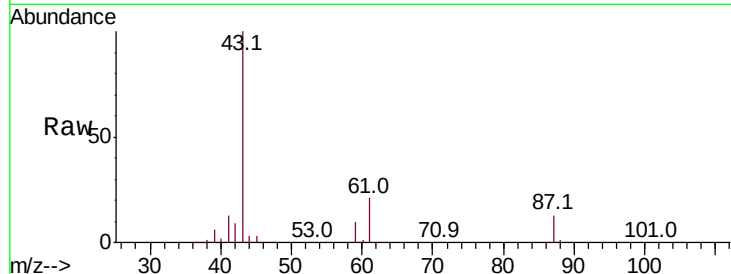
Isopropyl Acetate
 Concen: 105.430 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX008065.D
 Acq: 14 Mar 2019 11:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	16.3	24.5
87	13.8	10.5	15.7

Manual Integrations
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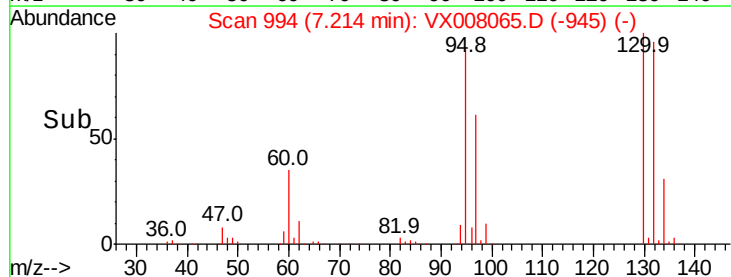
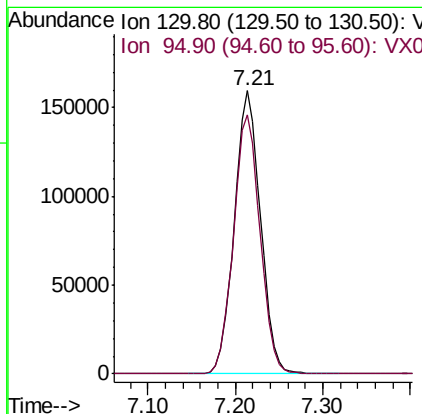
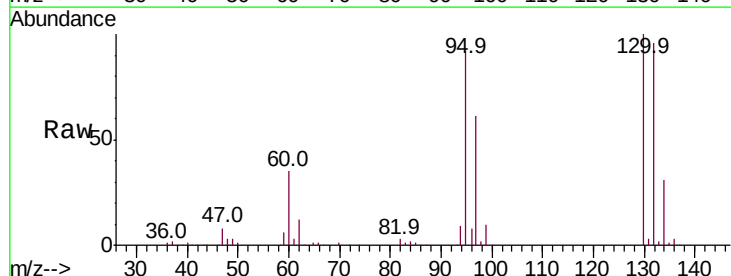
MMDadoda
 3/15/2019 9:07:02 AM

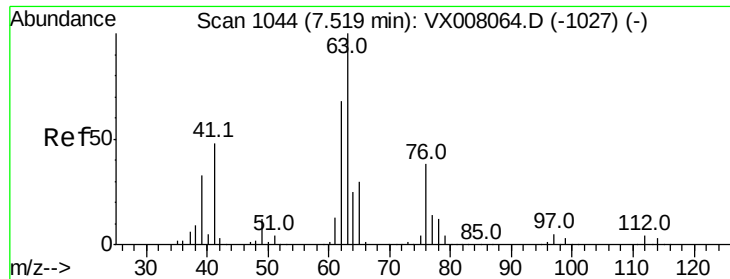


#44

Trichloroethene
 Concen: 105.624 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008065.D
 Acq: 14 Mar 2019 11:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.7	0.0	188.0





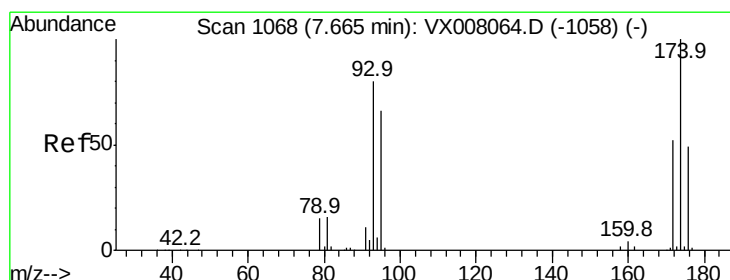
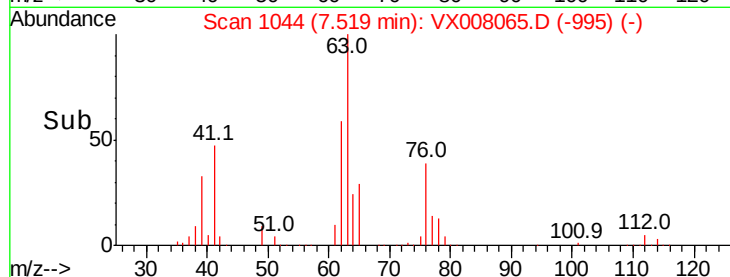
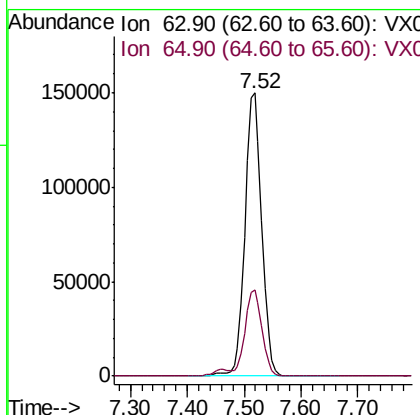
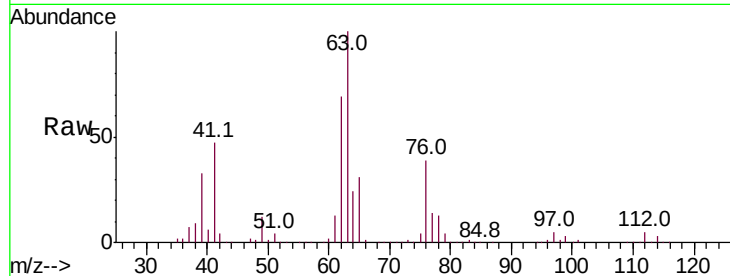
#45
 1,2-Dichloropropane
 Concen: 104.820 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX008065.D
 Acq: 14 Mar 2019 11:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 308487
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.7 37.1

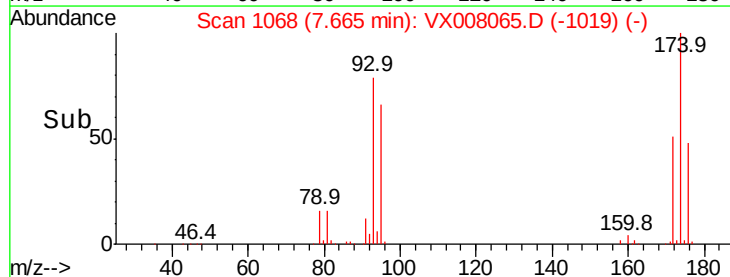
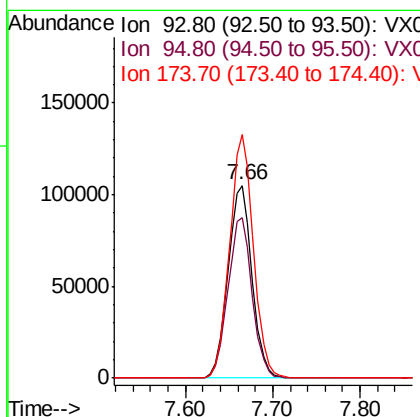
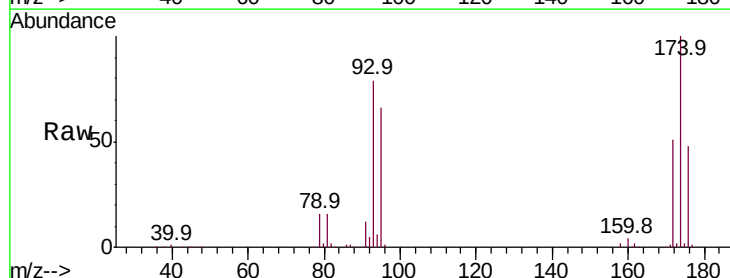
Manual Integrations
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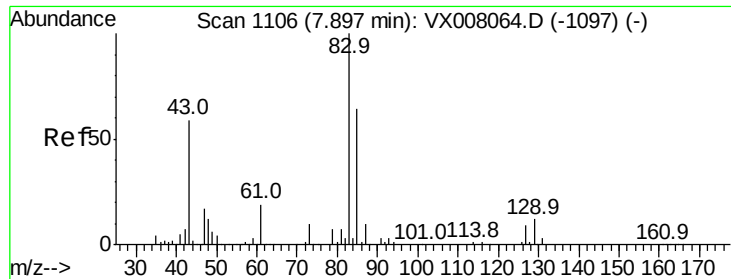
MMDadoda
 3/15/2019 9:07:02 AM



#46
 Dibromomethane
 Concen: 107.415 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX008065.D
 Acq: 14 Mar 2019 11:25

Tgt Ion: 93 Resp: 200178
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.8 100.2
 174 125.8 97.3 145.9





#47

Bromodichloromethane

Concen: 110.964 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008065.D

Acq: 14 Mar 2019 11:25

Instrument :

MSVOA_X

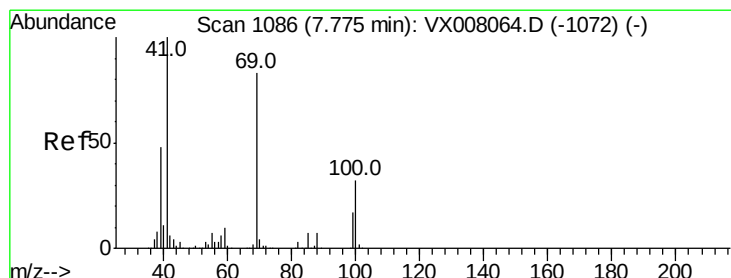
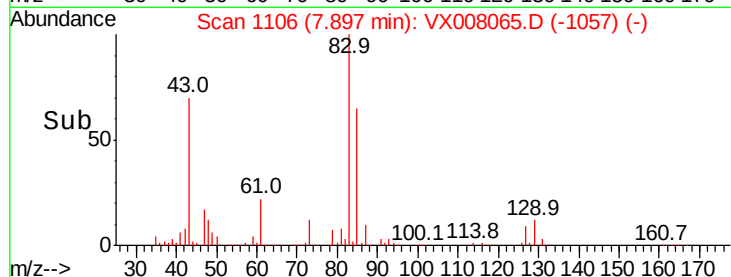
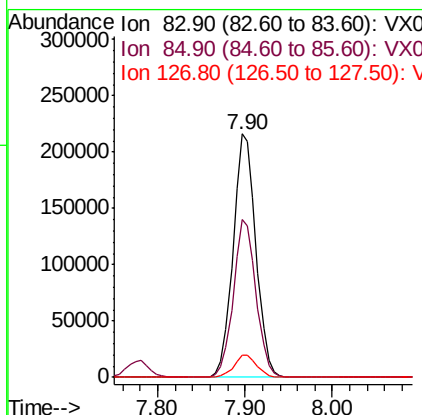
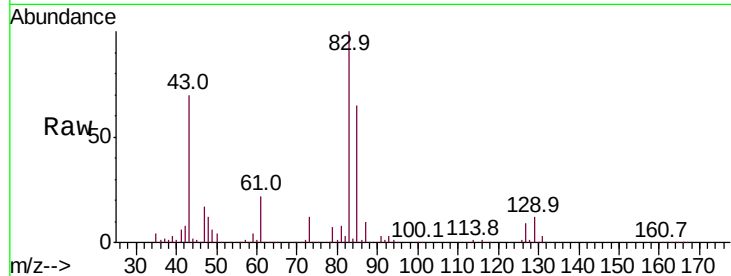
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	392062
Ion Ratio	Lower	Upper	
83	100		
85	64.5	50.9	76.3
127	9.3	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 106.626 ug/l

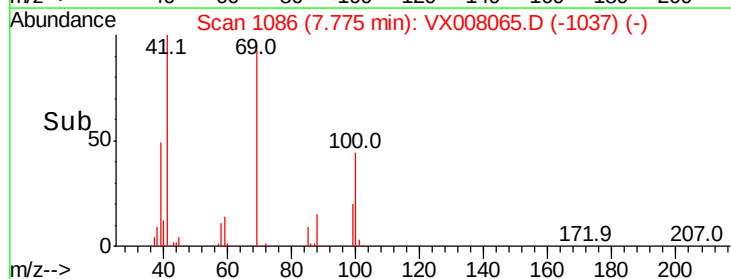
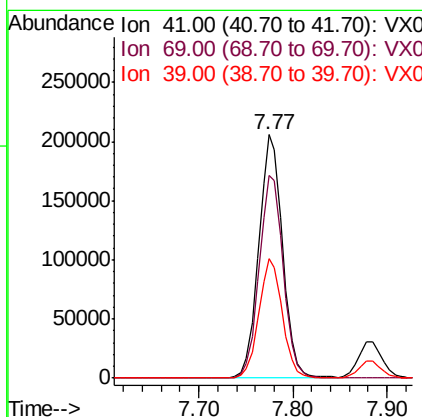
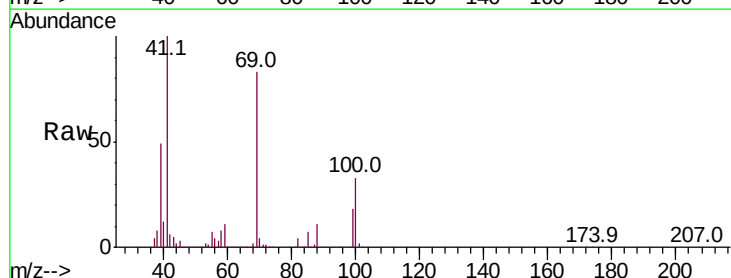
RT: 7.77 min Scan# 1086

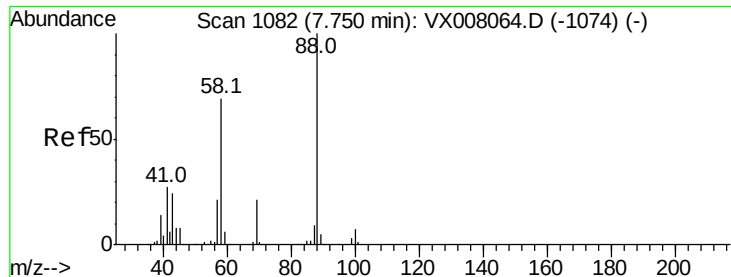
Delta R.T. 0.00 min

Lab File: VX008065.D

Acq: 14 Mar 2019 11:25

Tgt Ion:	41	Resp:	365110
Ion Ratio	Lower	Upper	
41	100		
69	84.8	65.2	97.8
39	48.6	39.4	59.2





#49

1,4-Dioxane

Concen: 2155.629 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX008065.D

Acq: 14 Mar 2019 11:25

Instrument :

MSVOA_X

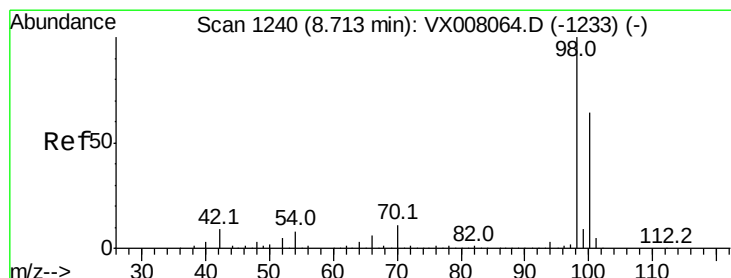
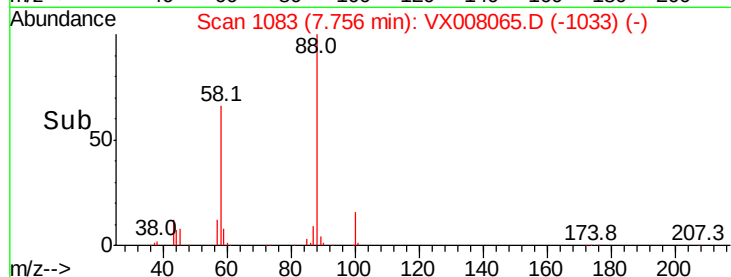
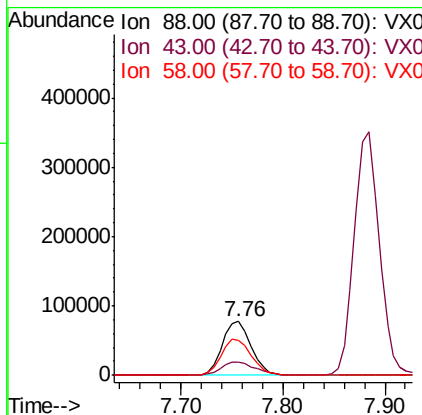
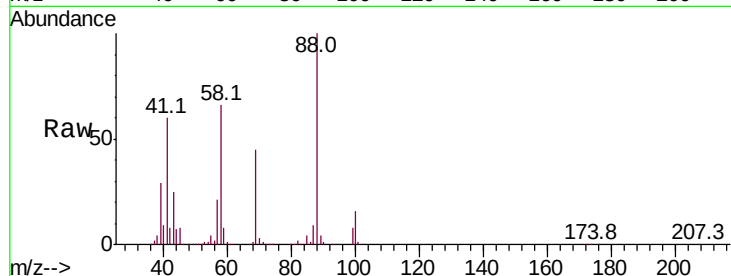
ClientSampleId :

VSTDIC100

Tot Ion:	88	Resp:	153114
Ion Ratio	Lower	Upper	
88	100		
43	29.3	25.1	37.7
58	70.1	57.8	86.6

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#50

Toluene-d8

Concen: 106.630 ug/l

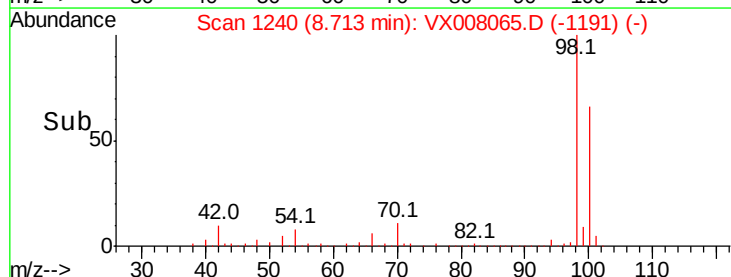
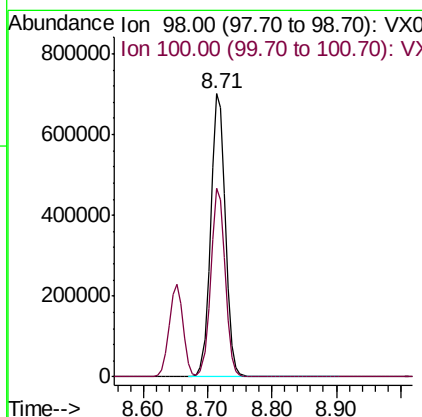
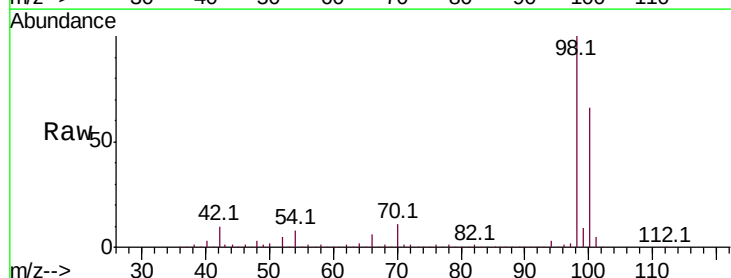
RT: 8.71 min Scan# 1240

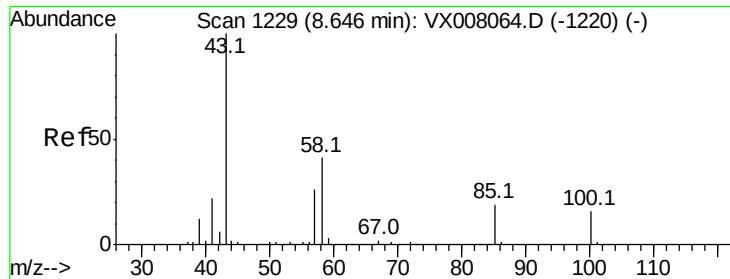
Delta R.T. 0.00 min

Lab File: VX008065.D

Acq: 14 Mar 2019 11:25

Tgt Ion:	98	Resp:	1121650
Ion Ratio	Lower	Upper	
98	100		
100	65.3	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 526.833 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VX008065.D

Acq: 14 Mar 2019 11:25

Tot Ion: 43 Resp: 2211453

Ion Ratio Lower Upper

43 100

58 40.4 31.3 46.9

Instrument :

MSVOA_X

ClientSampleId :

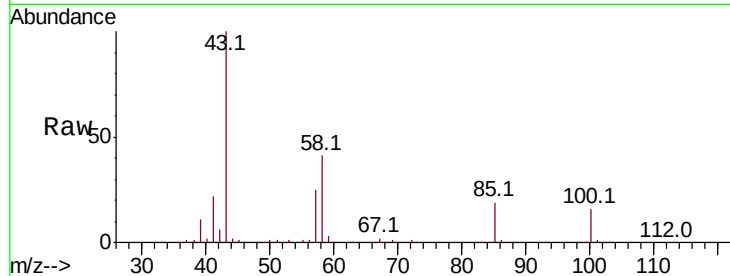
VSTDIC100

Manual Integrations

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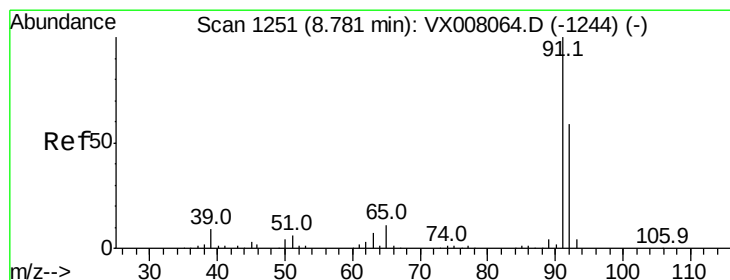
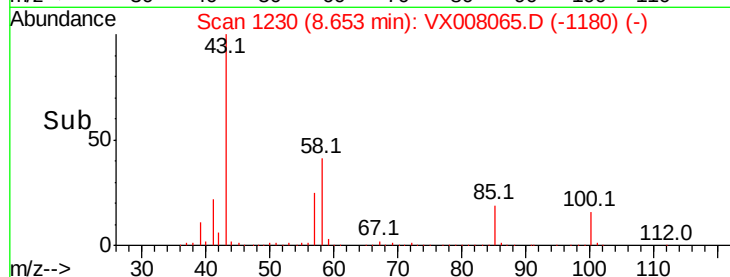
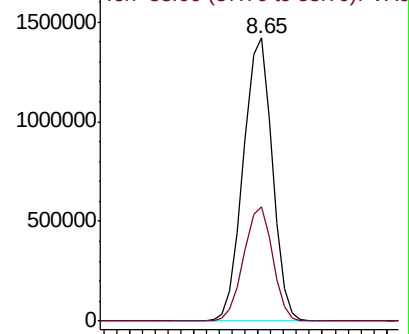
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 108.051 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX008065.D

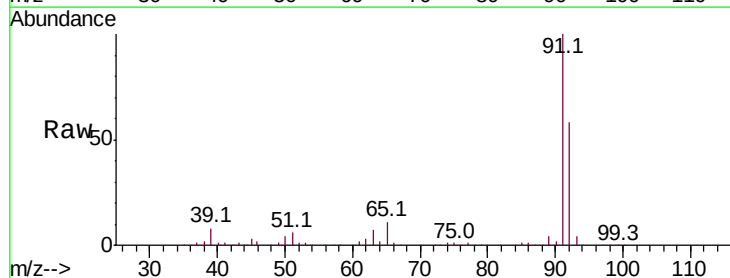
Acq: 14 Mar 2019 11:25

Tgt Ion: 92 Resp: 764516

Ion Ratio Lower Upper

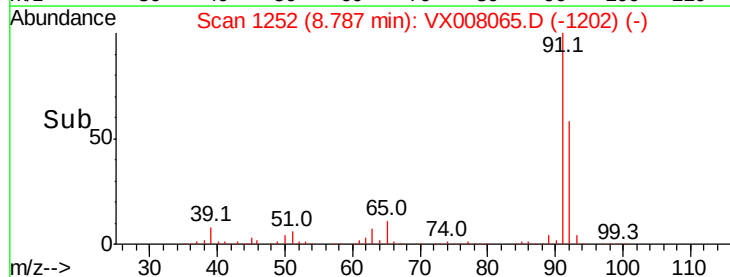
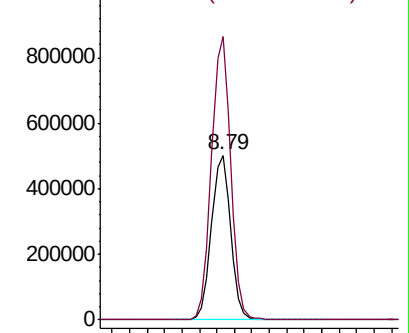
92 100

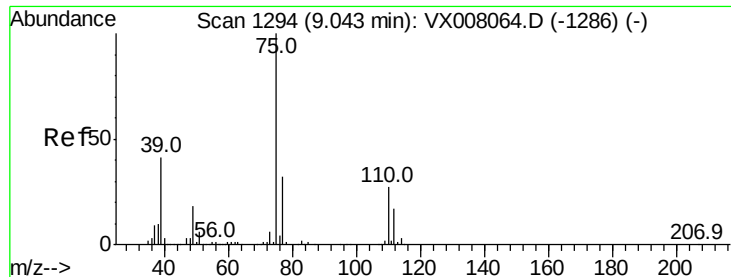
91 172.1 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





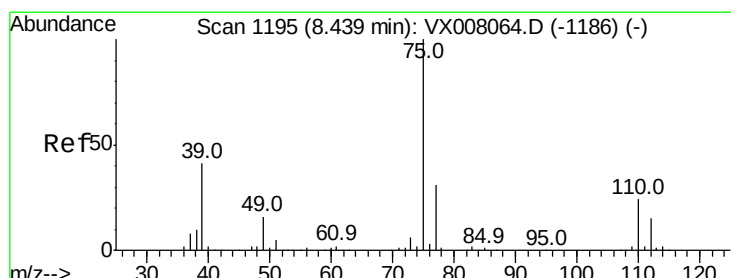
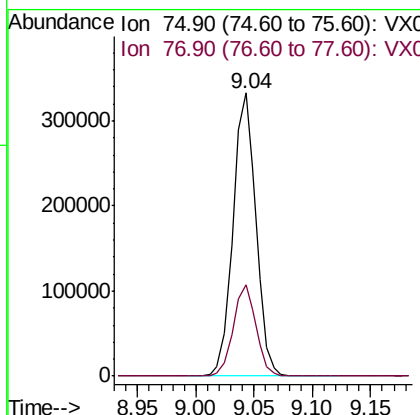
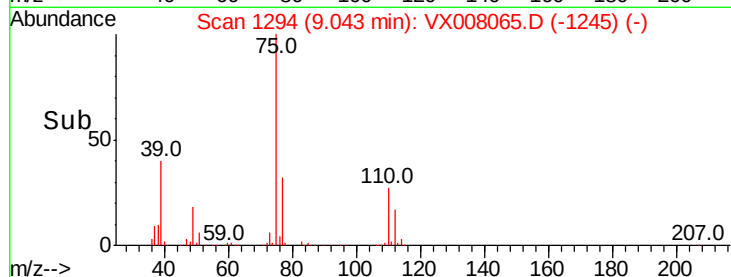
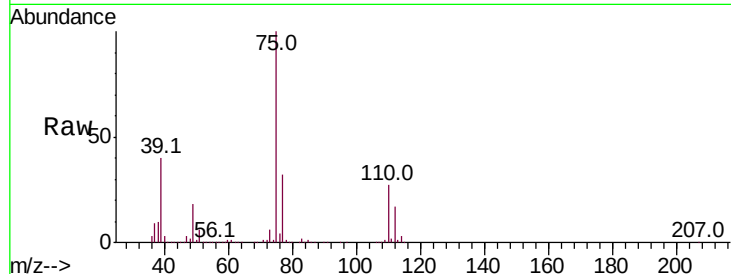
#53
t-1,3-Dichloropropene
Concen: 113.545 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.0

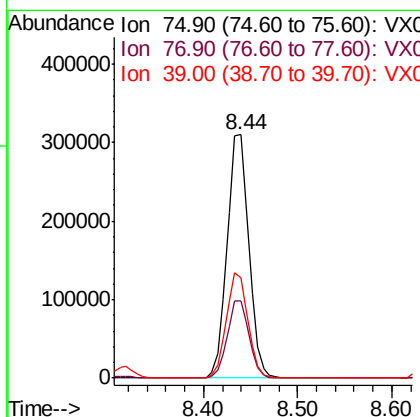
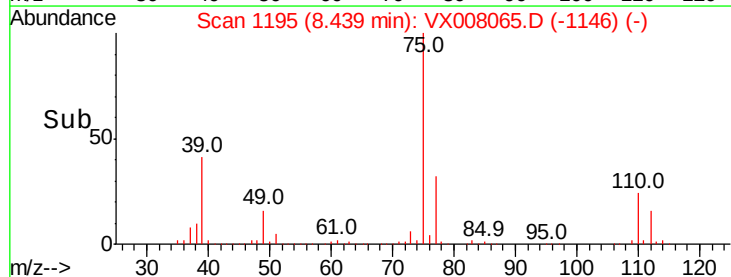
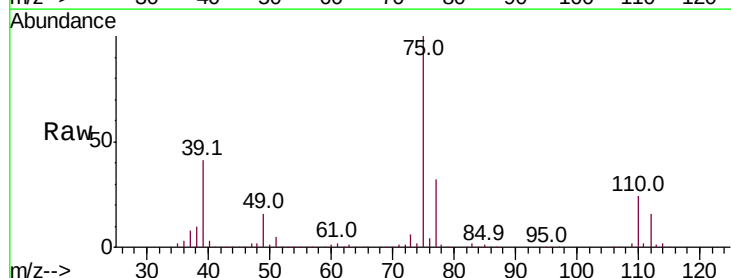
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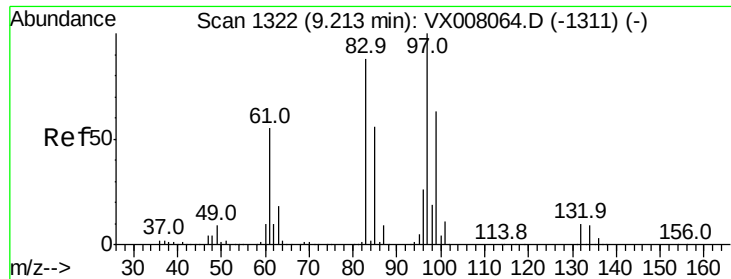
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 111.056 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.0	37.6
39	41.2	36.6	54.8





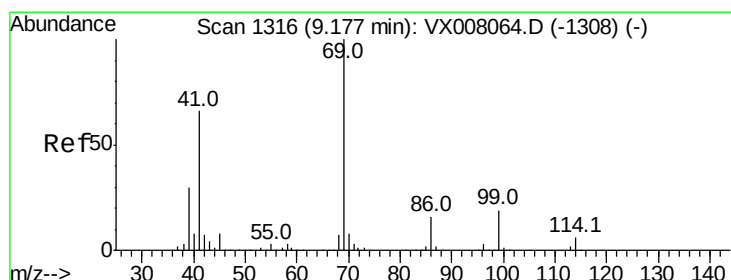
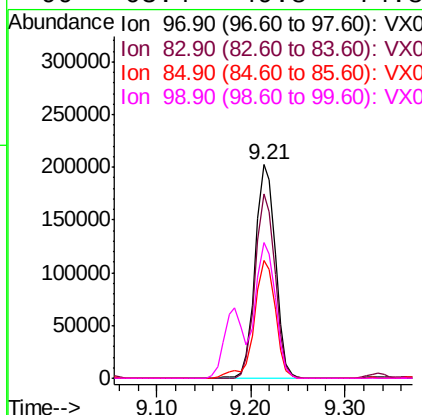
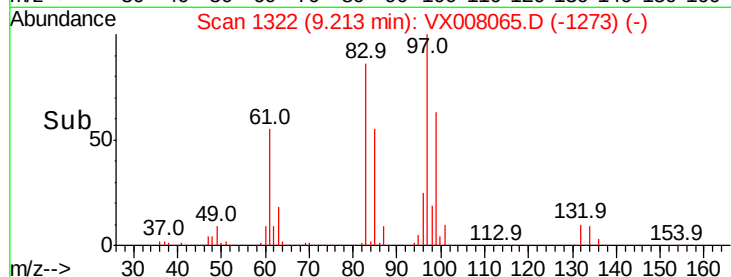
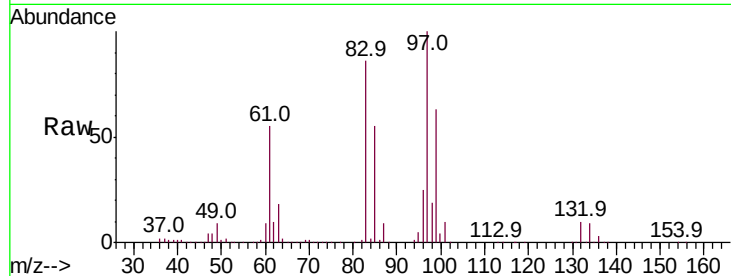
#55
 1,1,2-Trichloroethane
 Concen: 106.537 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008065.D
 Acq: 14 Mar 2019 11:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		303845		
83	86.2	69.1	103.7		
85	55.4	44.3	66.5		
99	63.4	49.8	74.8		

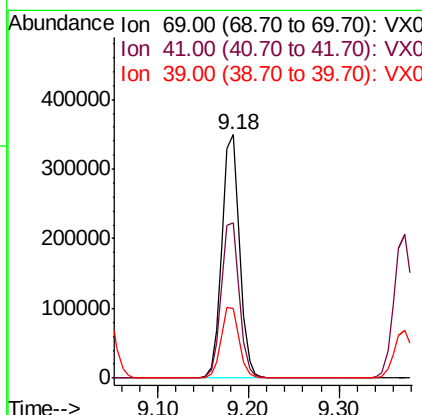
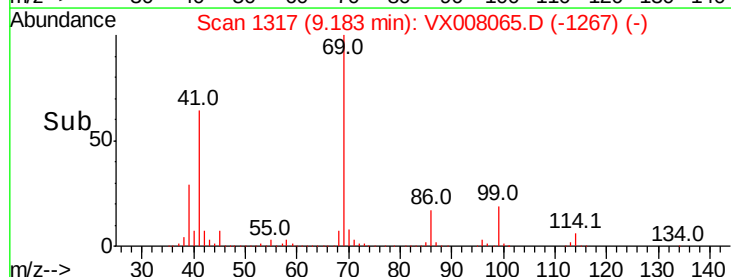
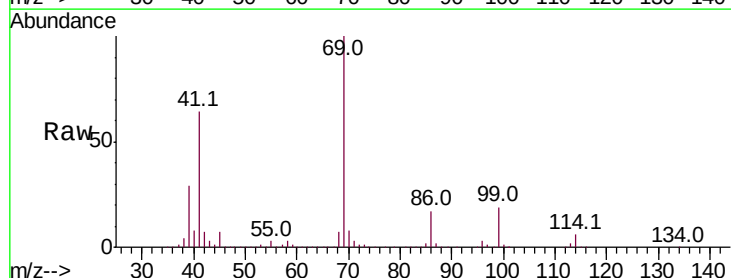
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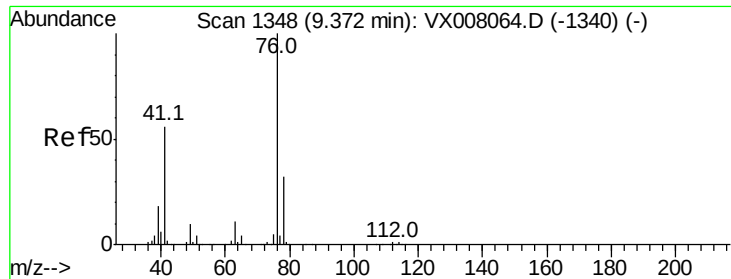
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#56
 Ethyl methacrylate
 Concen: 108.853 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VX008065.D
 Acq: 14 Mar 2019 11:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		477077		
41	65.0	54.2	81.4		
39	29.6	25.0	37.4		





#57

1,3-Dichloropropane

Concen: 107.299 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX008065.D

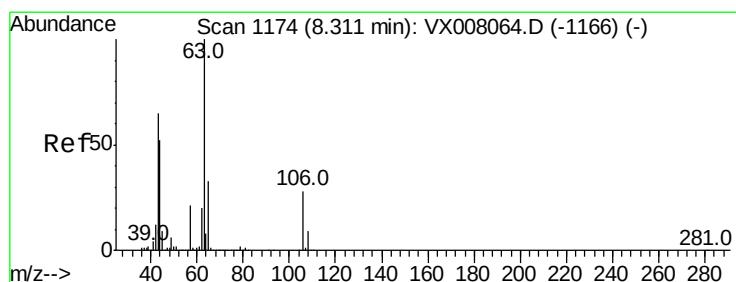
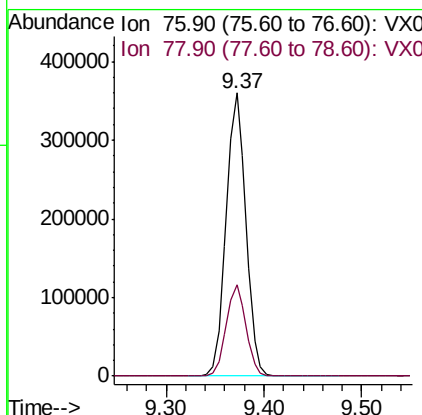
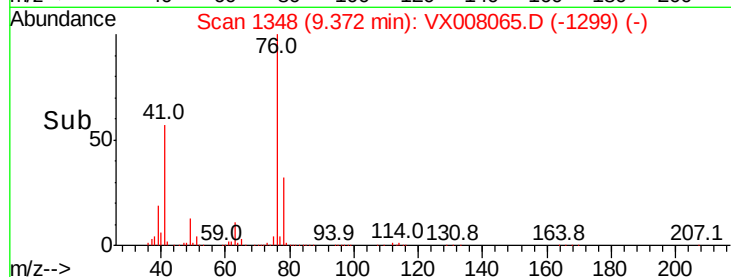
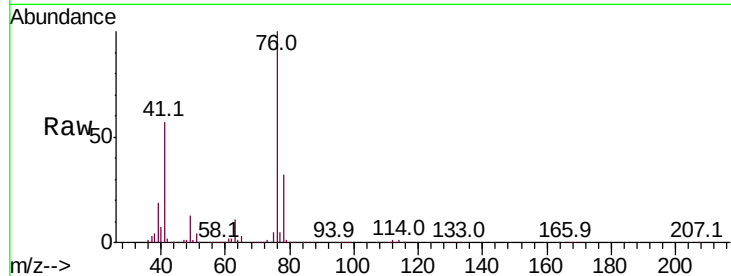
Acq: 14 Mar 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.5	38.3

Manual Integrations
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3/15/2019 9:07:02 AM



#58

2-Chloroethyl Vinyl ether

Concen: 517.430 ug/l

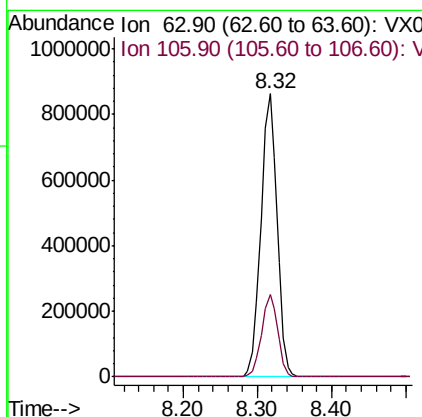
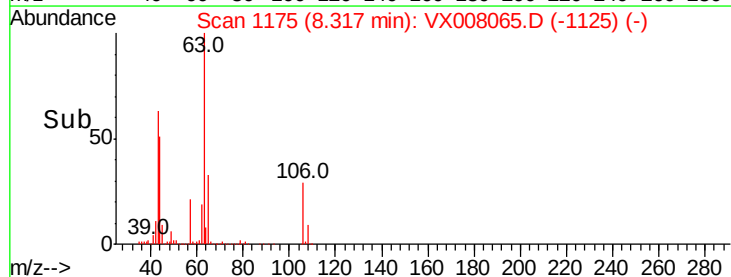
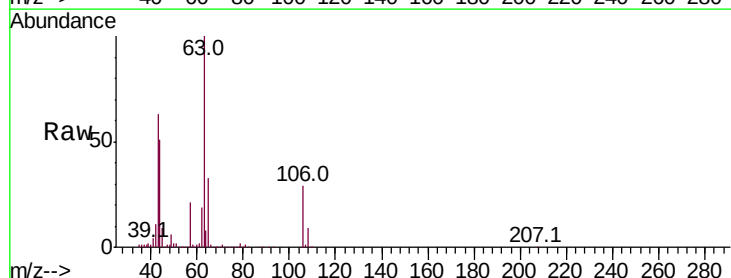
RT: 8.32 min Scan# 1175

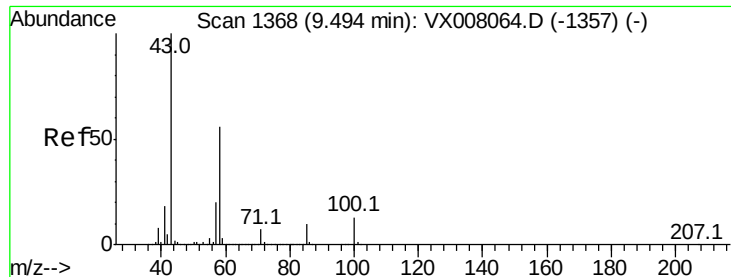
Delta R.T. 0.01 min

Lab File: VX008065.D

Acq: 14 Mar 2019 11:25

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.9	22.2	33.2





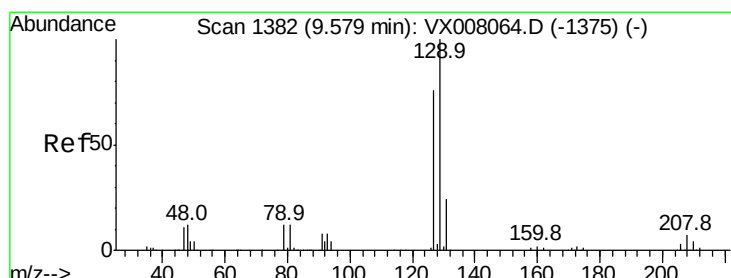
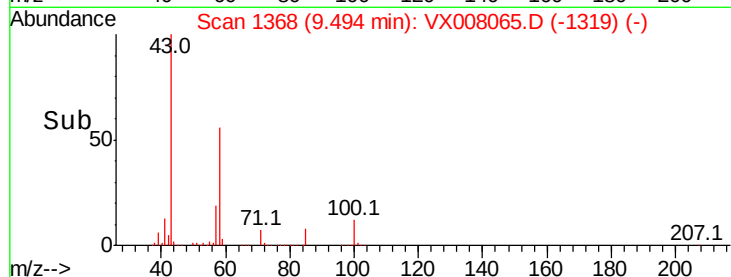
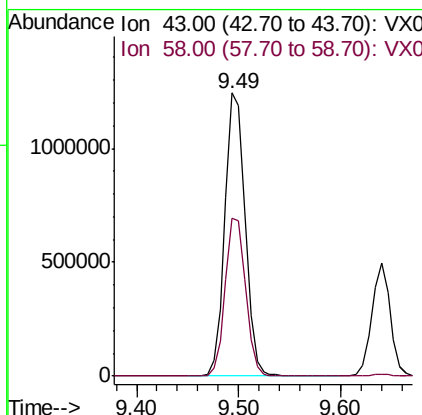
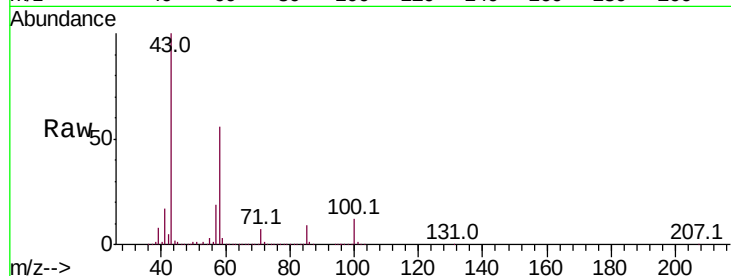
#59
2-Hexanone
Concen: 530.908 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 1714336
Ion Ratio Lower Upper
43 100
58 56.4 27.6 82.7

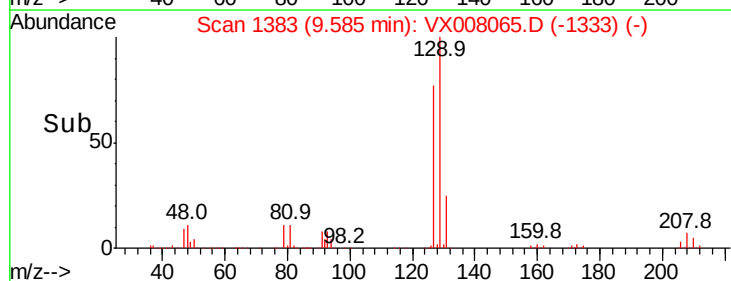
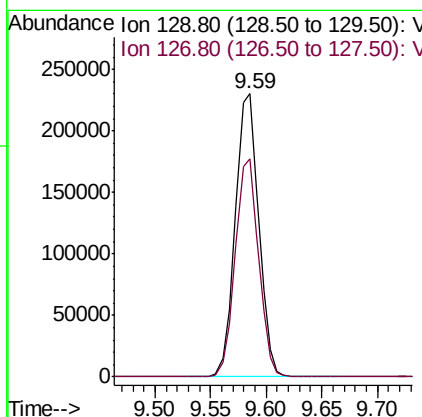
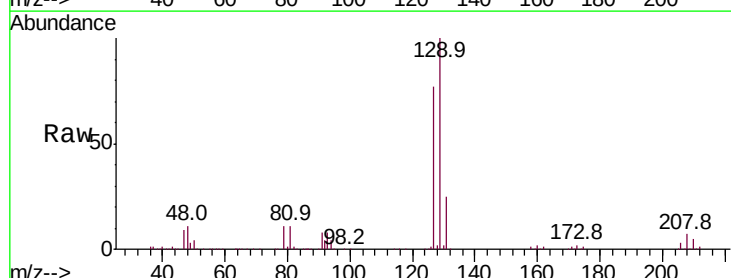
Manual Integrations
APPROVED

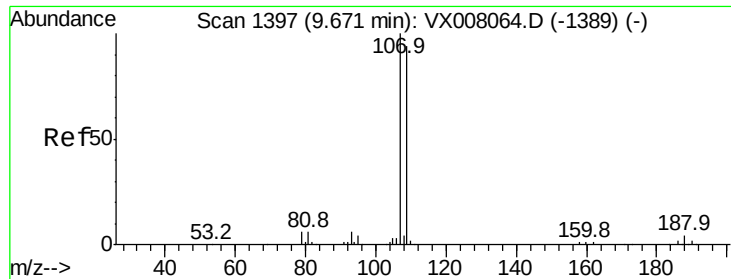
MMDadoda
3/15/2019 9:07:02 AM



#60
Dibromochloromethane
Concen: 109.592 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Tgt Ion: 129 Resp: 335789
Ion Ratio Lower Upper
129 100
127 76.9 38.3 114.8





#61

1,2-Dibromoethane

Concen: 106.367 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008065.D

Acq: 14 Mar 2019 11:25

Instrument :

MSVOA_X

ClientSampled :

VSTDICC100

Tot Ion:107 Resp: 328456

Ion Ratio Lower Upper

107 100

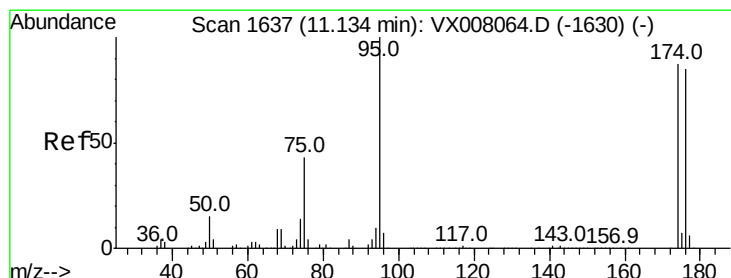
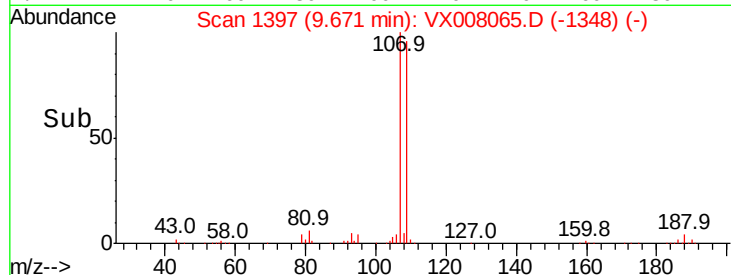
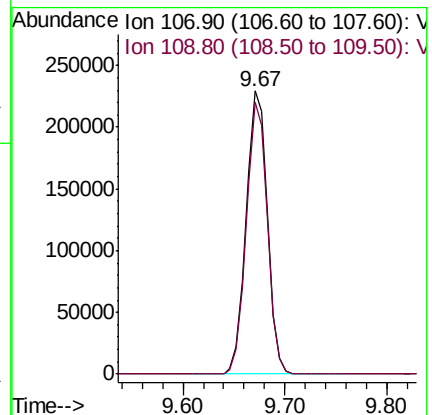
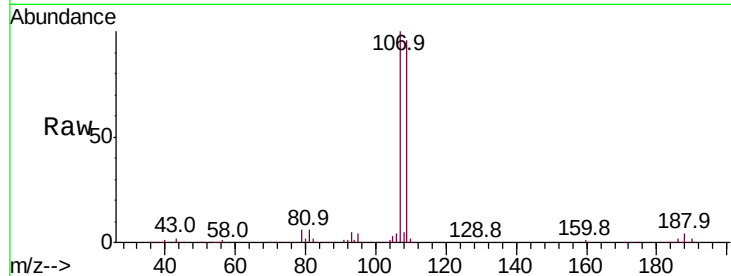
109 95.0 75.8 113.8

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 105.362 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008065.D

Acq: 14 Mar 2019 11:25

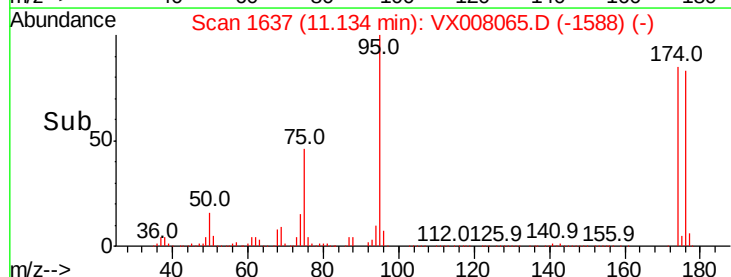
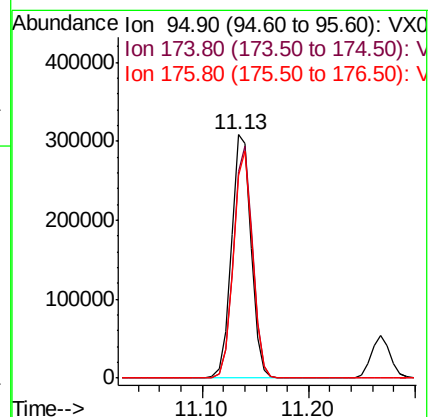
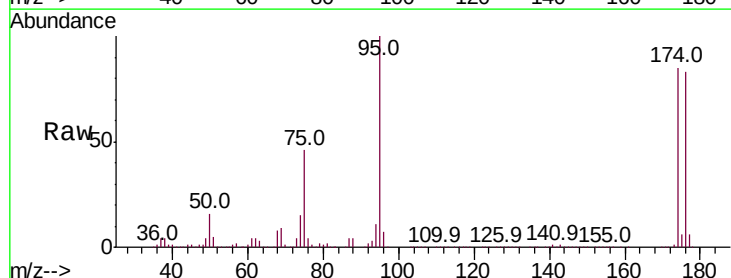
Tgt Ion: 95 Resp: 398898

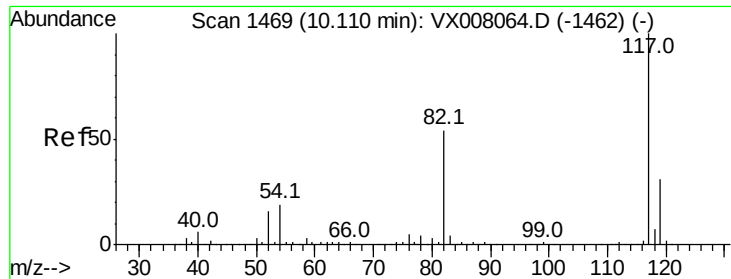
Ion Ratio Lower Upper

95 100

174 92.9 0.0 182.8

176 90.7 0.0 178.0





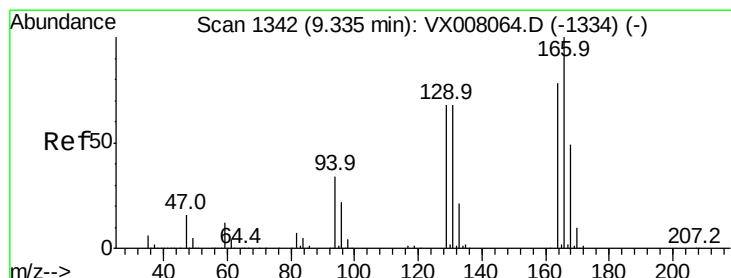
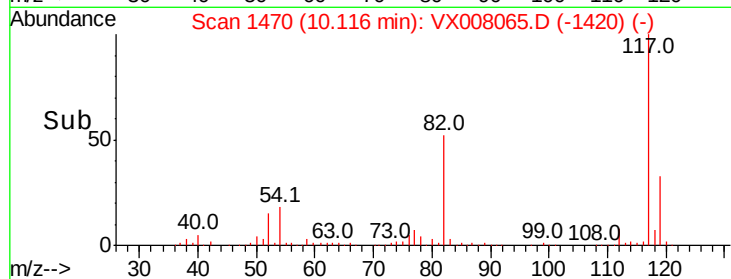
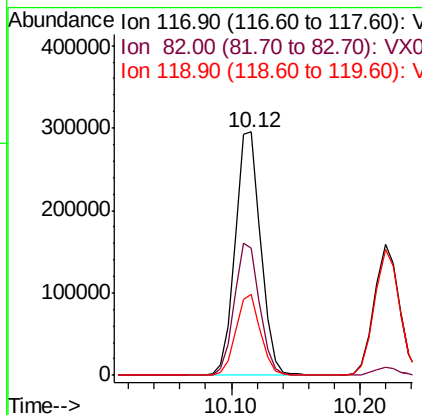
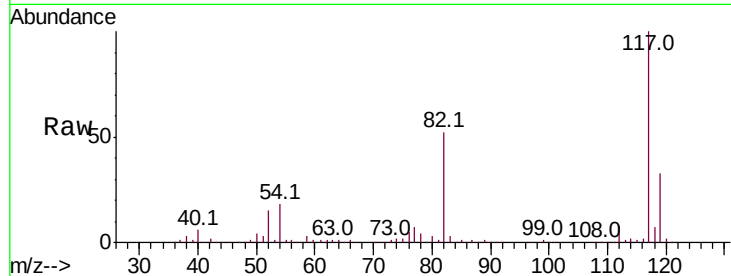
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	408228		
82	52.1		44.3	66.5
119	33.1		25.3	37.9

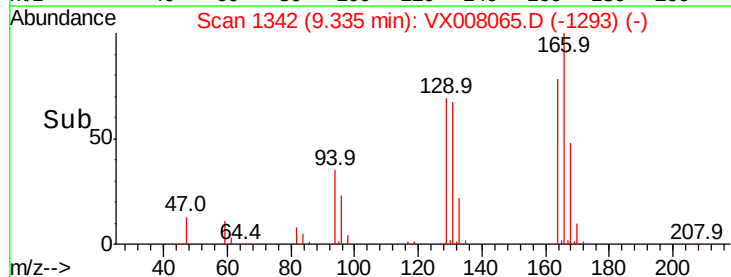
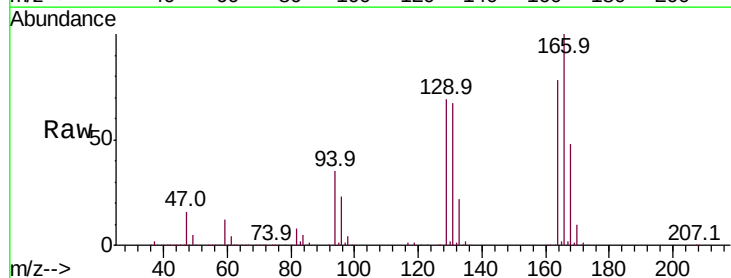
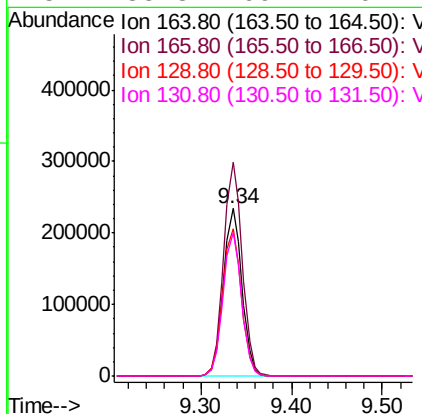
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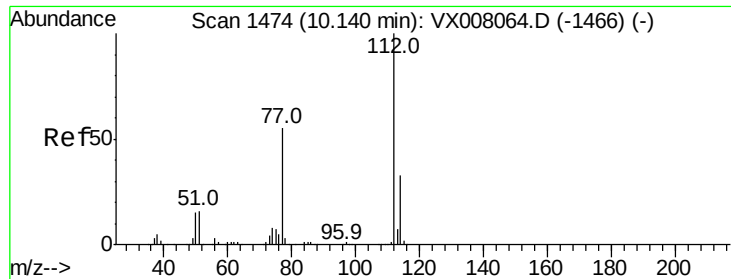
MMDadoda
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#64
Tetrachloroethene
Concen: 104.815 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	335229		
166	127.7		103.4	155.0
129	88.2		72.2	108.4
131	85.8		69.4	104.2





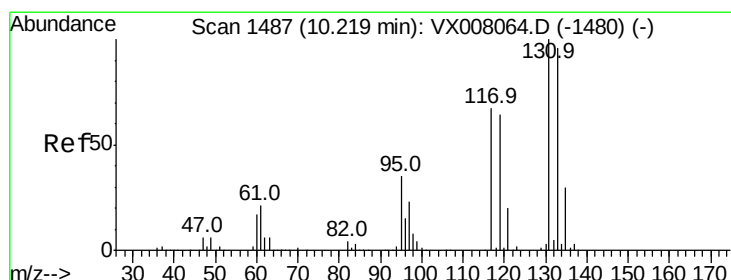
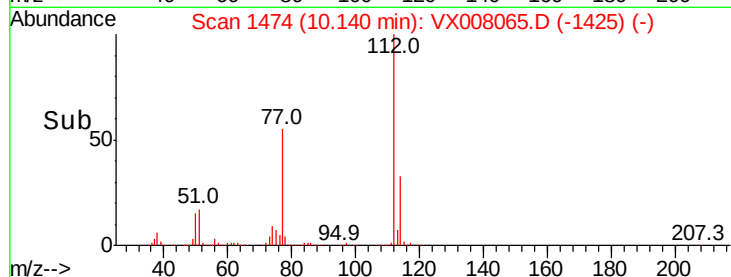
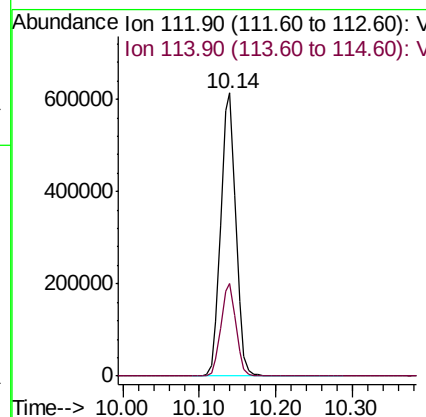
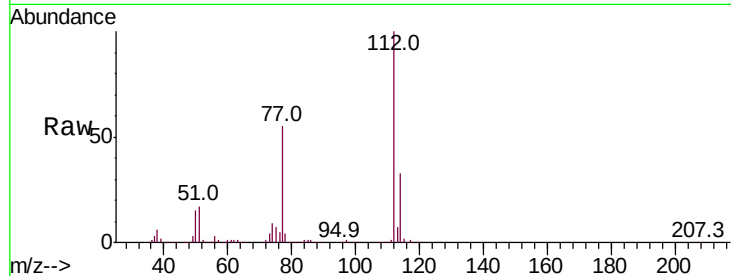
#65
Chlorobenzene
Concen: 106.338 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion:112 Resp: 837200
Ion Ratio Lower Upper
112 100
114 32.6 26.0 39.0

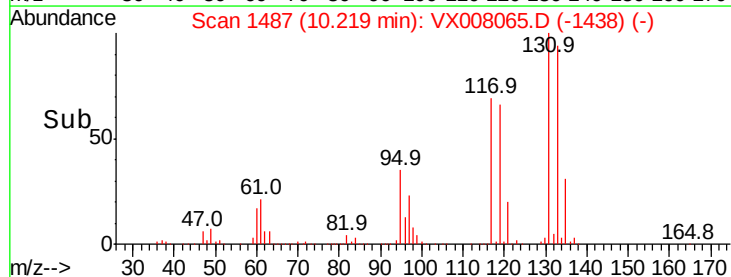
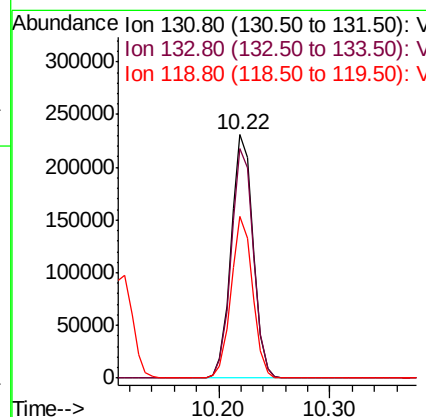
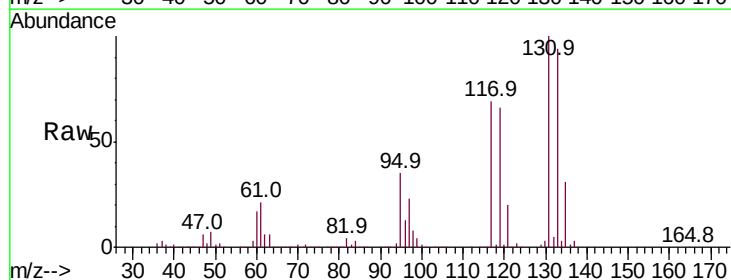
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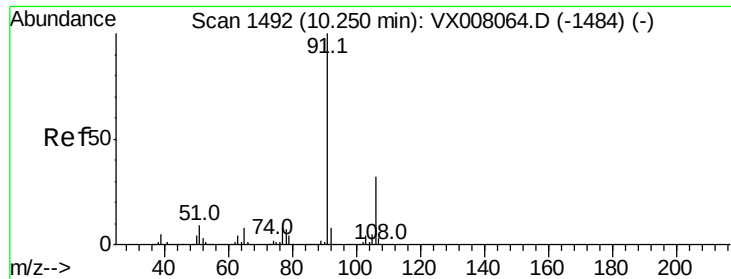
MMDadoda
3/15/2019 9:07:02 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 107.969 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Tgt Ion:131 Resp: 314373
Ion Ratio Lower Upper
131 100
133 95.1 47.8 143.3
119 64.8 32.5 97.5





#67

Ethyl Benzene

Concen: 106.684 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008065.D

Acq: 14 Mar 2019 11:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1423242

Ion Ratio Lower Upper

91 100

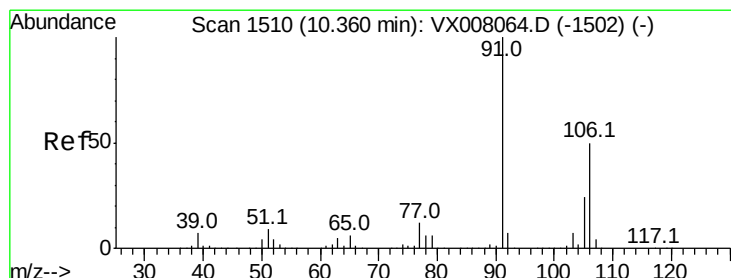
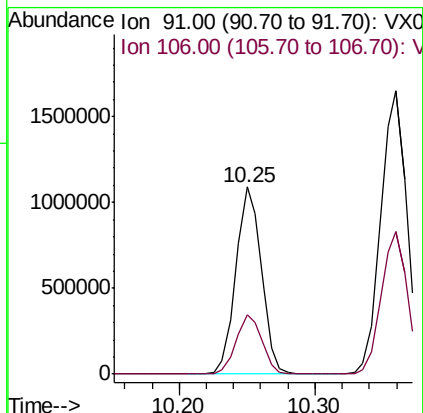
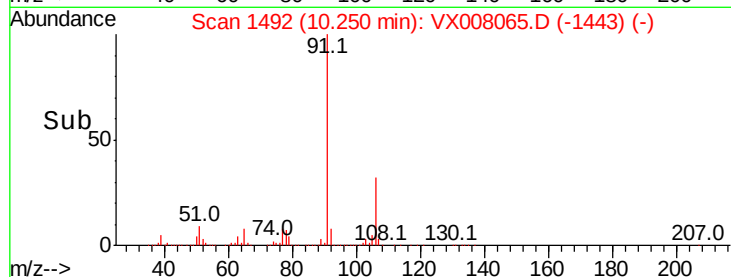
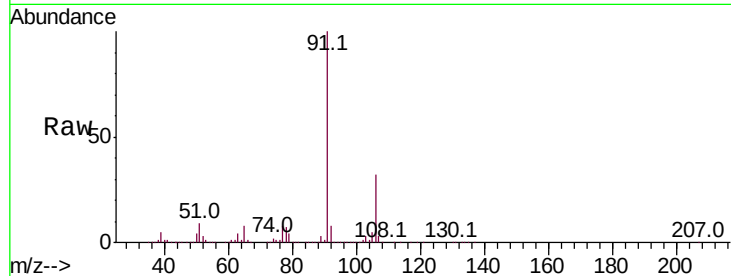
106 31.5 25.2 37.8

Manual Integrations

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#68

m/p-Xylenes

Concen: 213.931 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008065.D

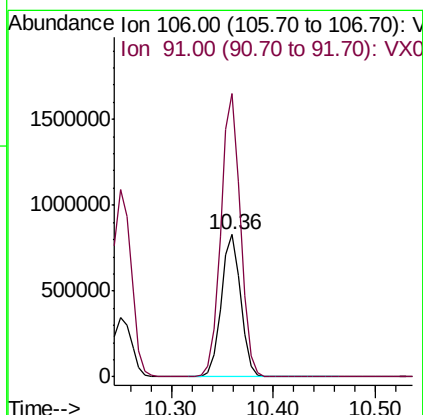
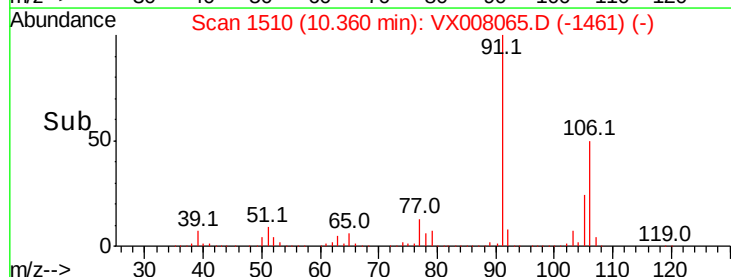
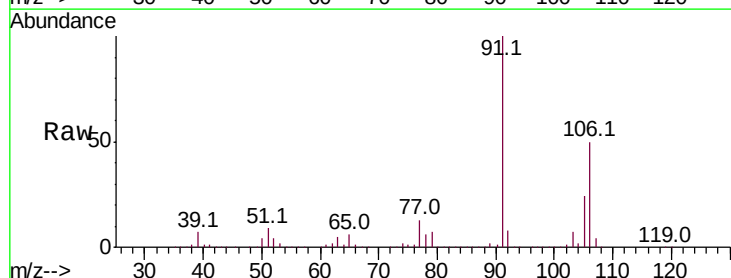
Acq: 14 Mar 2019 11:25

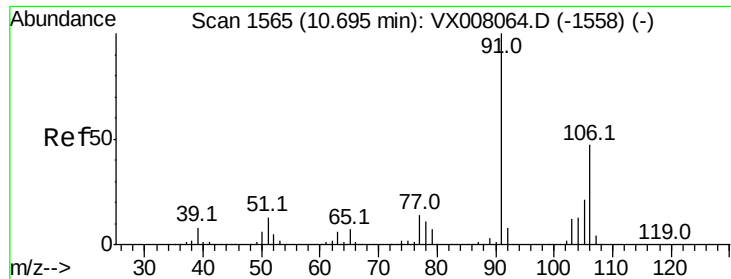
Tgt Ion: 106 Resp: 1099510

Ion Ratio Lower Upper

106 100

91 200.4 159.8 239.6





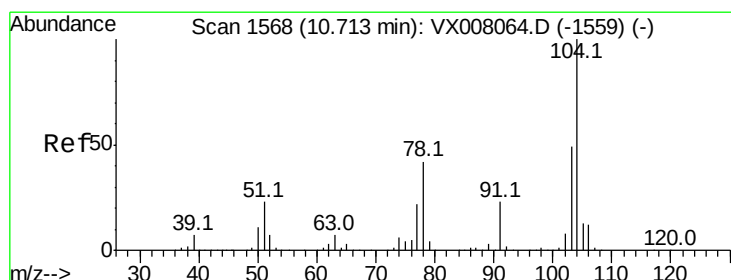
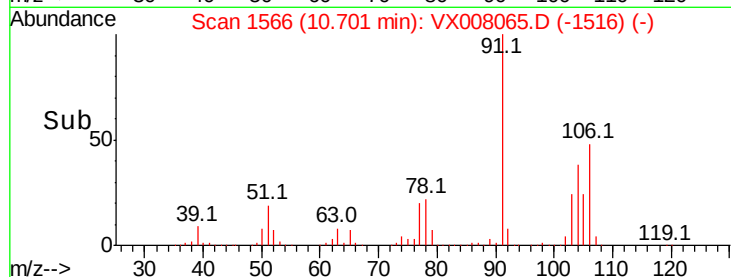
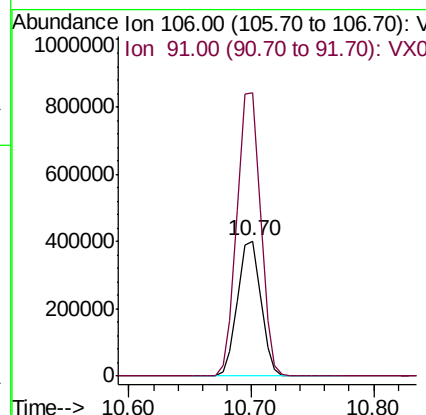
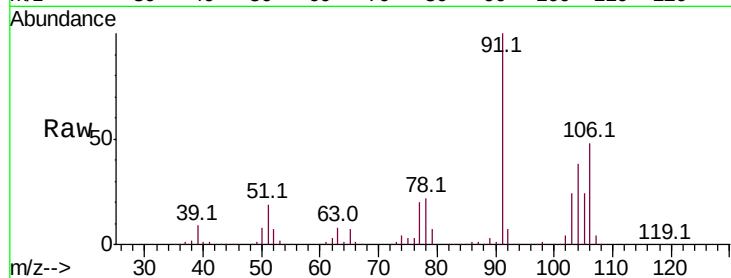
#69
o-Xylene
Concen: 106.556 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.0	106.3	318.9

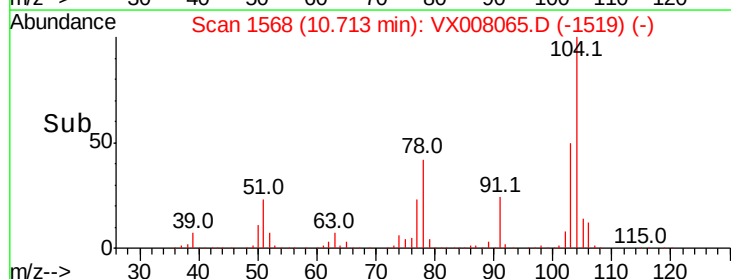
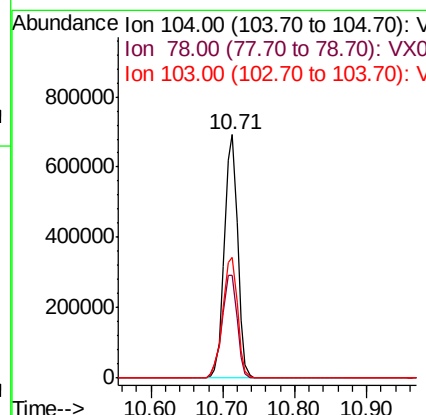
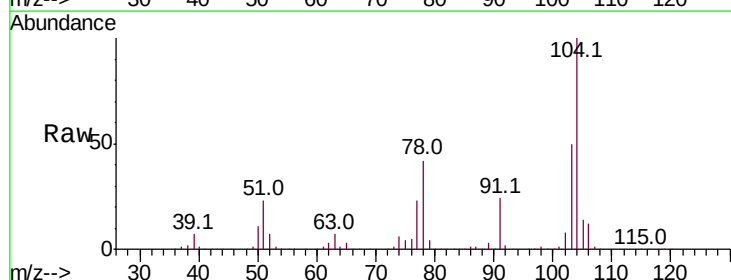
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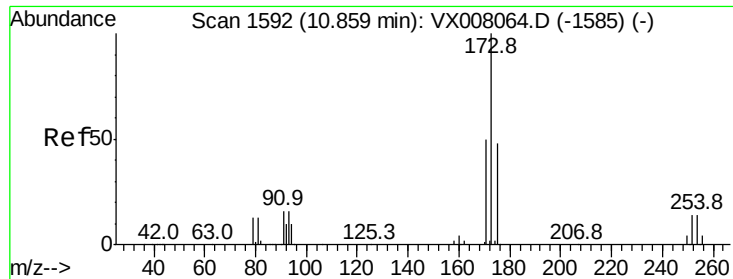
MMDadoda
3/15/2019 9:07:02 AM



#70
Styrene
Concen: 107.168 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.1	38.5	57.7
103	55.2	44.1	66.1





#71

Bromoform

Concen: 111.315 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX008065.D

Acq: 14 Mar 2019 11:25

Instrument :

MSVOA_X

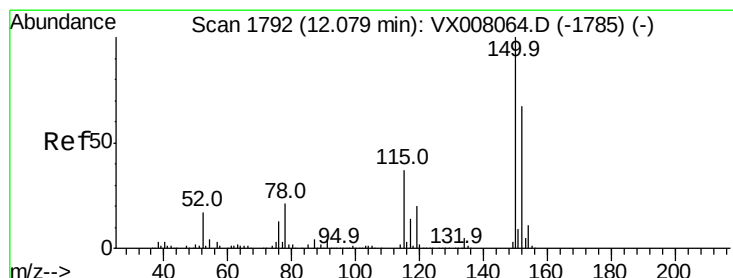
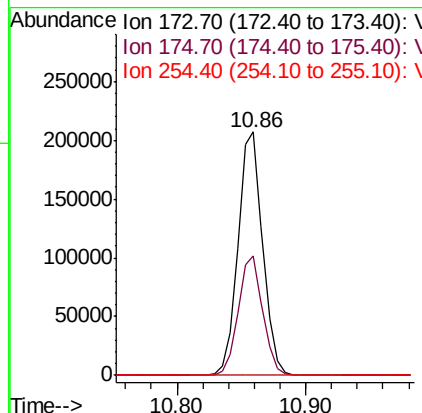
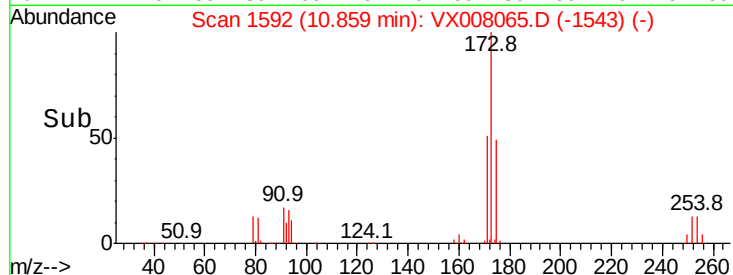
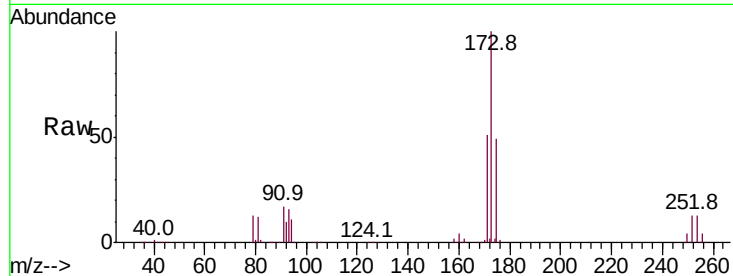
ClientSampled :

VSTDIC100

Tot Ion:	173	Resp:	273454
Ion Ratio	Lower	Upper	
173	100		
175	48.8	24.3	72.9
254	0.2	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

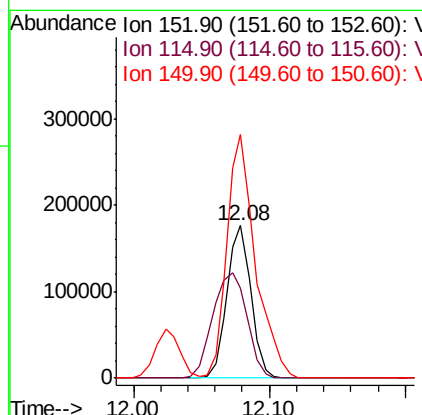
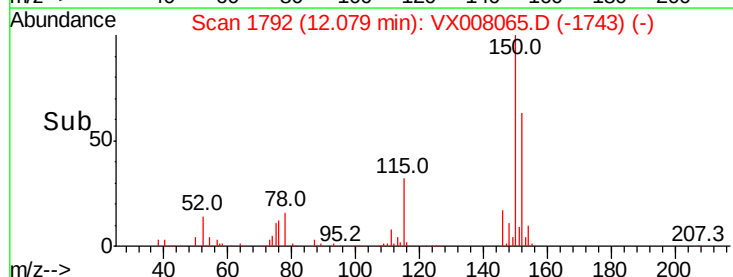
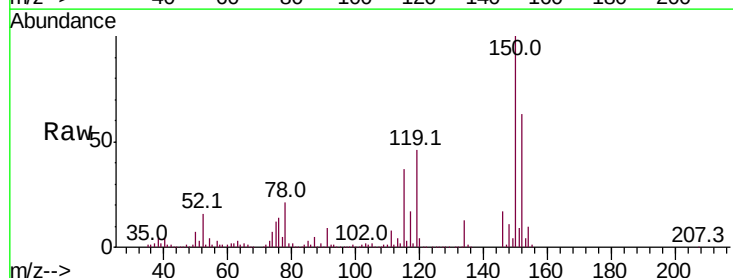
RT: 12.08 min Scan# 1792

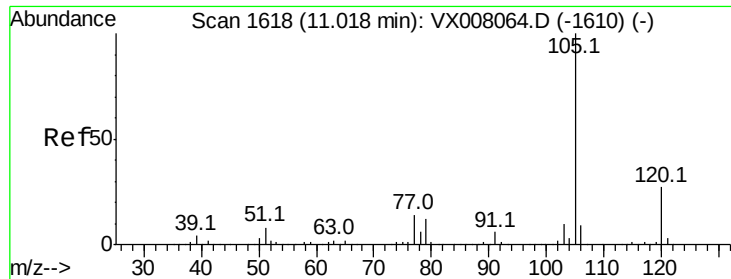
Delta R.T. 0.00 min

Lab File: VX008065.D

Acq: 14 Mar 2019 11:25

Tgt Ion:	152	Resp:	215181
Ion Ratio	Lower	Upper	
152	100		
115	98.0	38.6	115.7
150	190.1	0.0	348.4





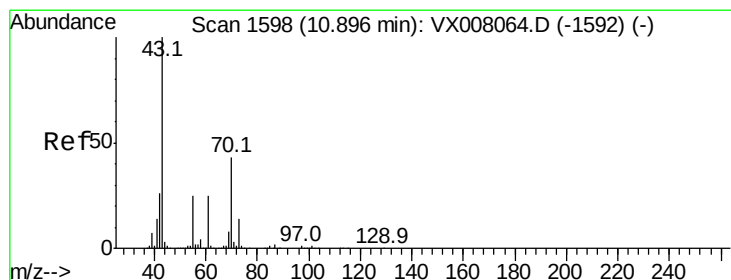
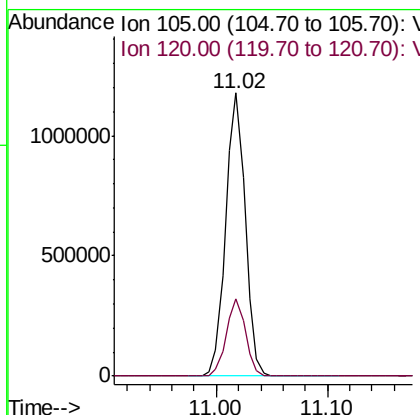
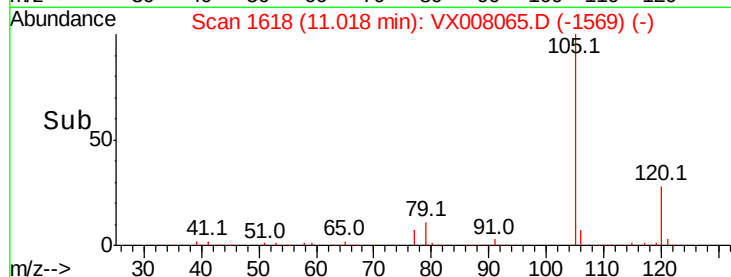
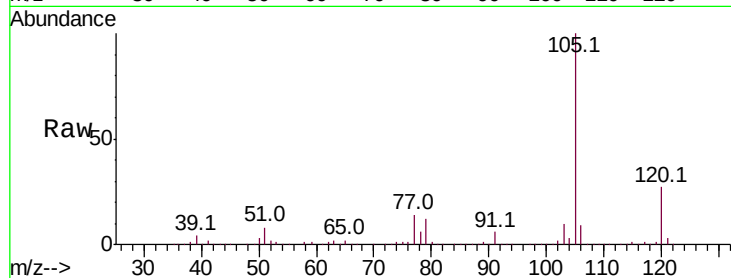
#73
Isopropylbenzene
Concen: 103.939 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Instrument :
MSVOA_X
ClientSampled :
VSTDICC100

Tot Ion:105 Resp: 1428130
Ion Ratio Lower Upper
105 100
120 26.8 13.4 40.1

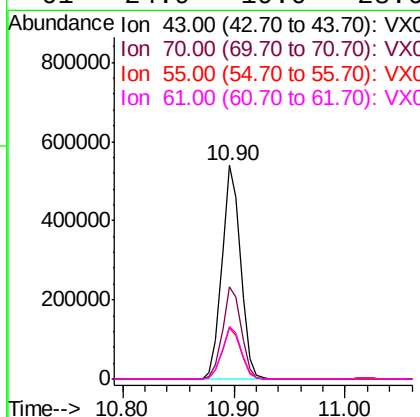
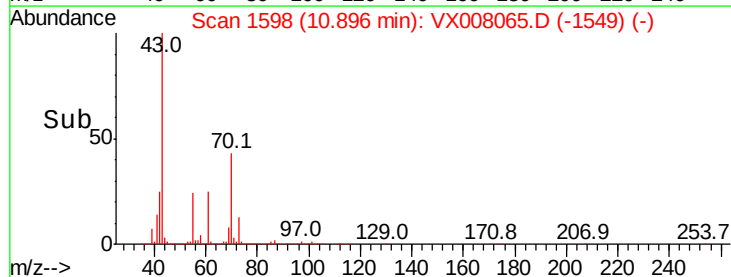
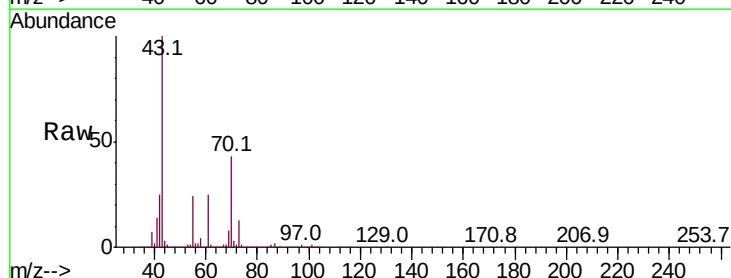
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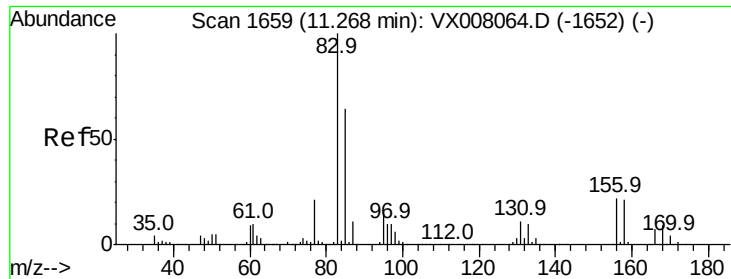
MMDadoda
3/15/2019 9:07:02 AM



#74
N-ethyl acetate
Concen: 108.500 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Tgt Ion: 43 Resp: 623699
Ion Ratio Lower Upper
43 100
70 43.6 33.5 50.3
55 24.3 19.2 28.8
61 24.9 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 104.927 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008065.D

Acq: 14 Mar 2019 11:25

Instrument :

MSVOA_X

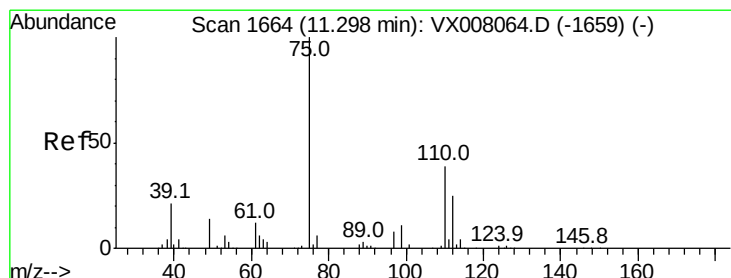
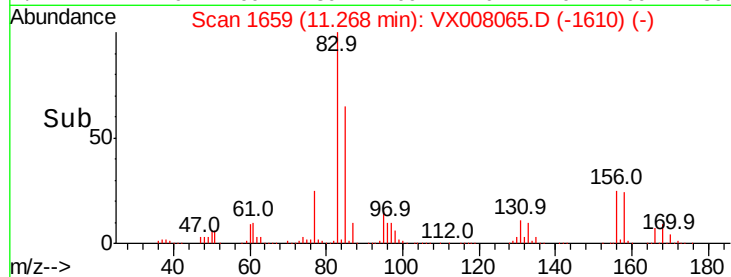
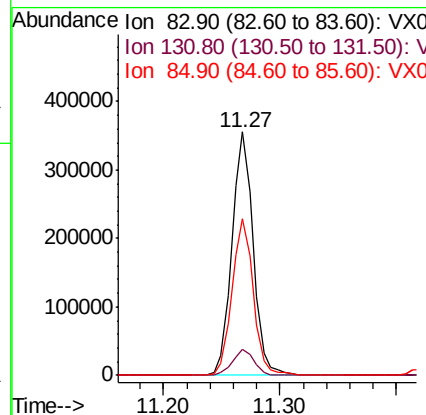
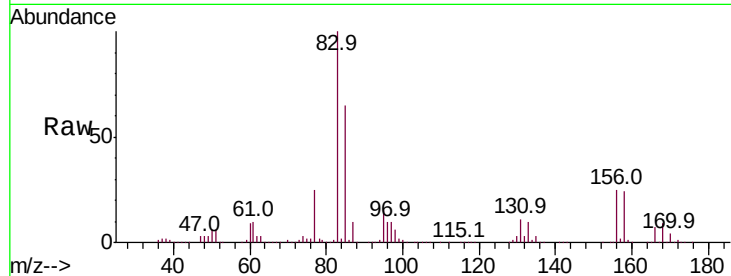
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	449451
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.4	16.2
85	64.5	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 100.985 ug/l m

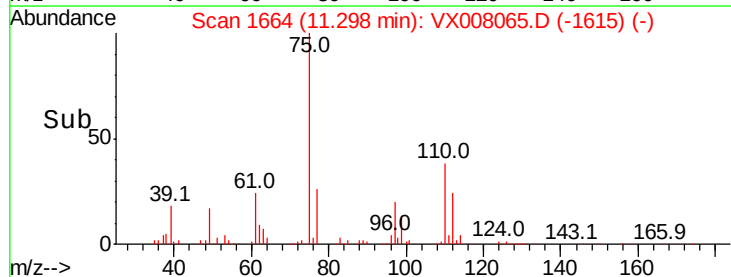
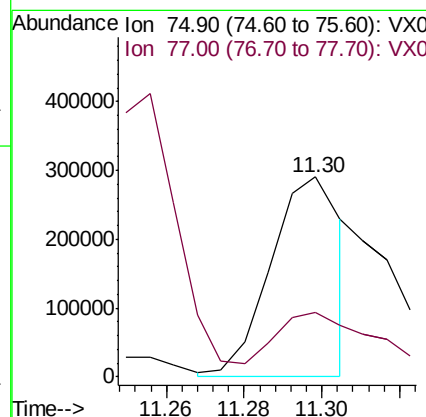
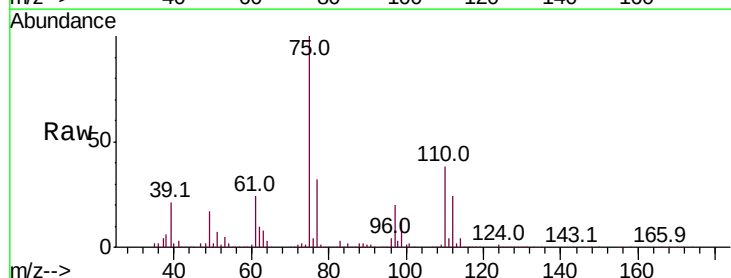
RT: 11.30 min Scan# 1664

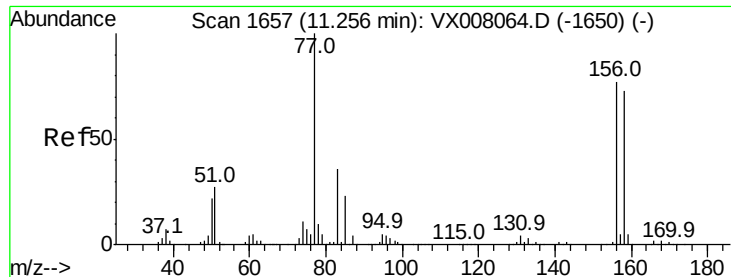
Delta R.T. 0.00 min

Lab File: VX008065.D

Acq: 14 Mar 2019 11:25

Tgt Ion:	75	Resp:	365570
Ion Ratio	Lower	Upper	
75	100		
77	46.4	18.9	56.7





#77

Bromobenzene

Concen: 103.974 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008065.D

Acq: 14 Mar 2019 11:25

Instrument :

MSVOA_X

ClientSampleID :

VSTDIC100

Tot Ion:156 Resp: 381989

Ion Ratio Lower Upper

156 100

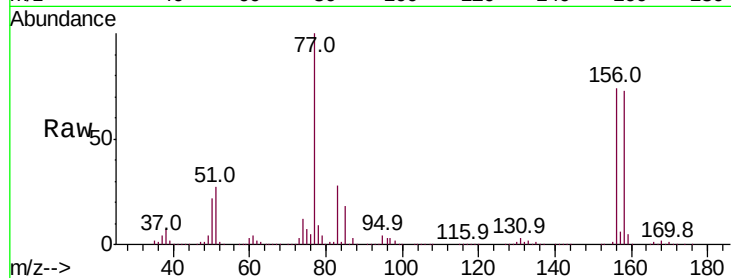
77 141.8 72.0 215.9

158 97.3 48.6 145.9

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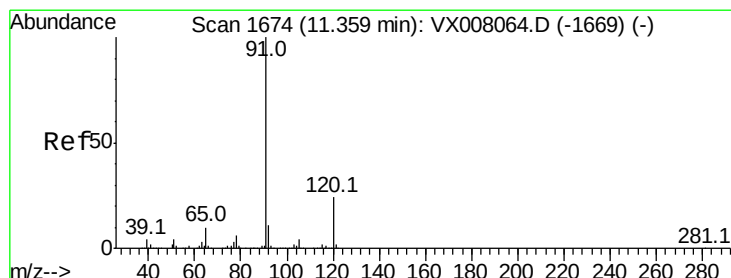
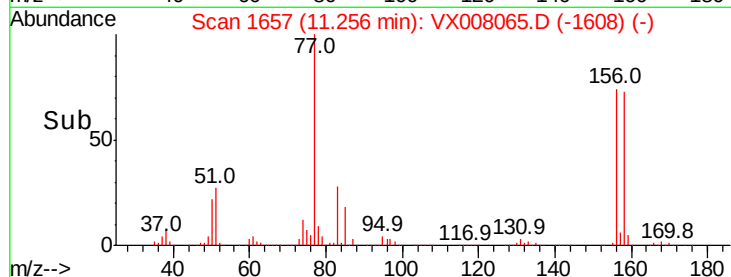
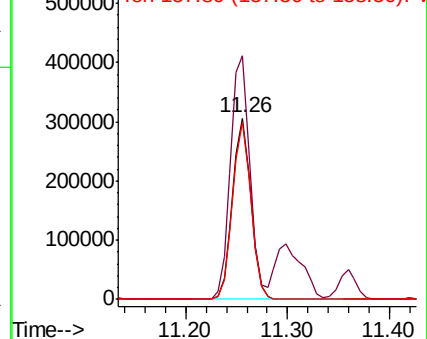
3/15/2019 9:07:02 AM



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: 104.163 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008065.D

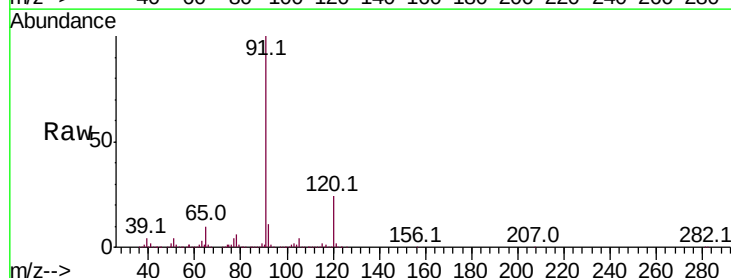
Acq: 14 Mar 2019 11:25

Tgt Ion: 91 Resp: 1600046

Ion Ratio Lower Upper

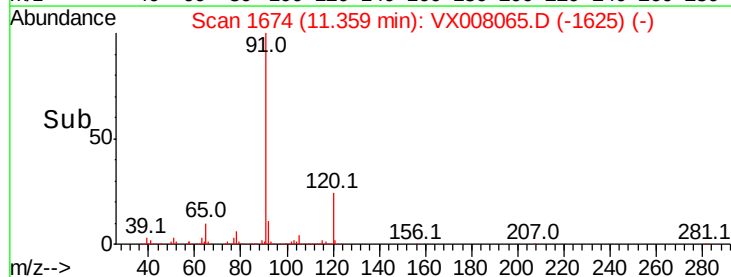
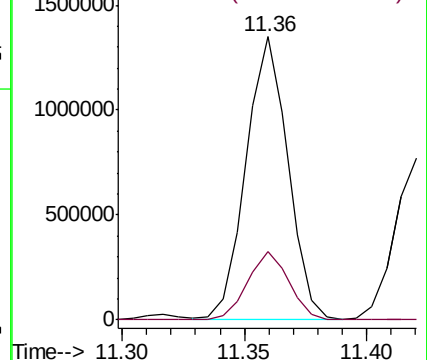
91 100

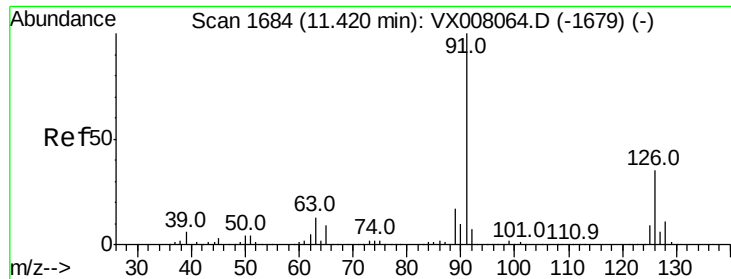
120 23.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





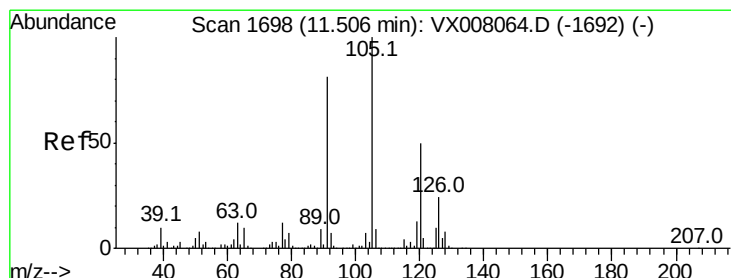
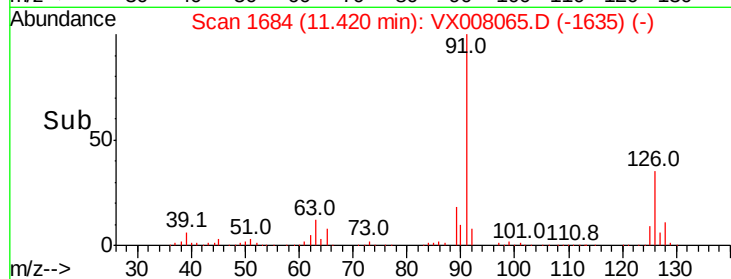
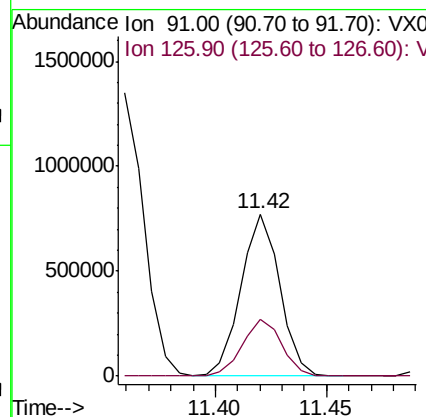
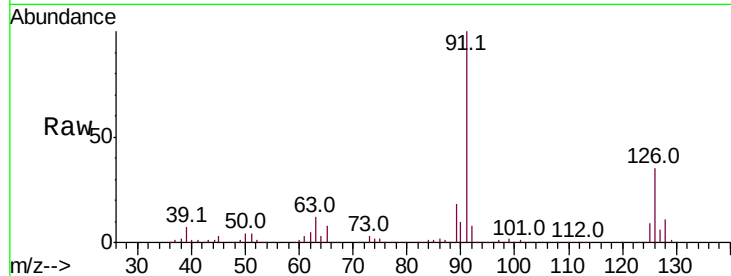
#79
2-Chlorotoluene
Concen: 103.423 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion: 91 Resp: 938041
Ion Ratio Lower Upper
91 100
126 35.6 17.5 52.6

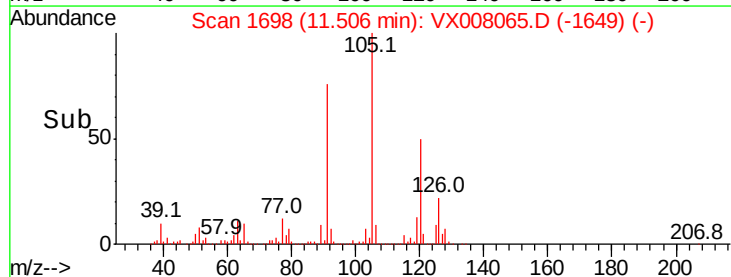
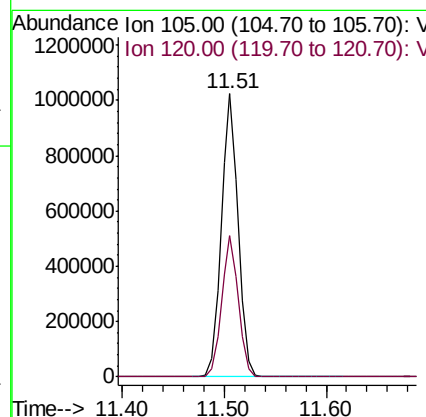
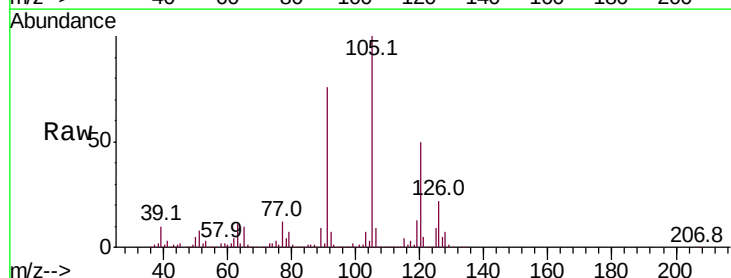
Manual Integrations
APPROVED

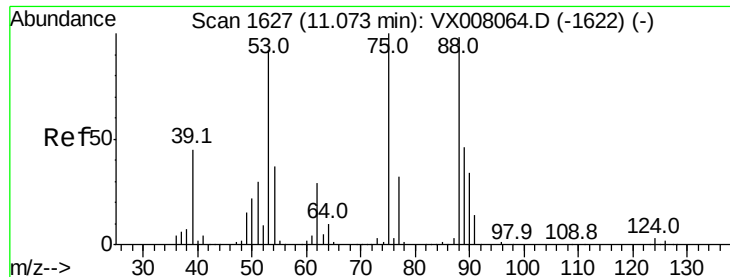
MMDadoda
3/15/2019 9:07:02 AM



#80
1,3,5-Trimethylbenzene
Concen: 104.031 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Tgt Ion: 105 Resp: 1186889
Ion Ratio Lower Upper
105 100
120 49.6 24.9 74.6





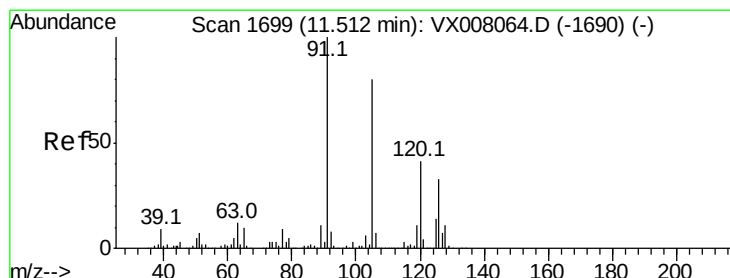
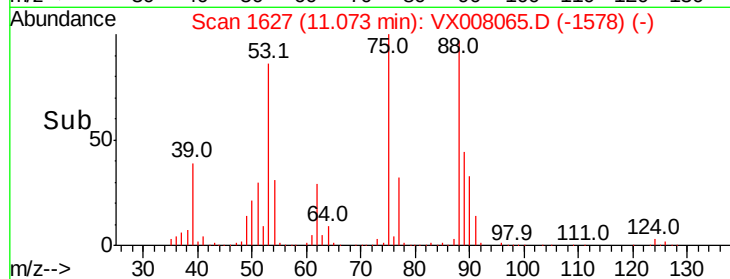
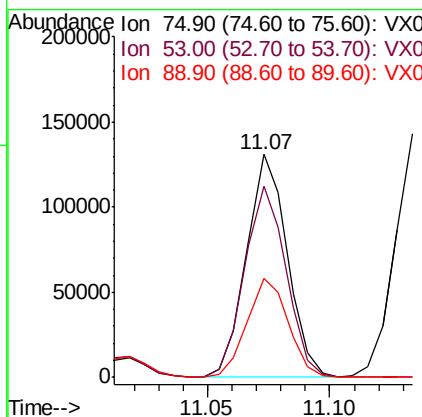
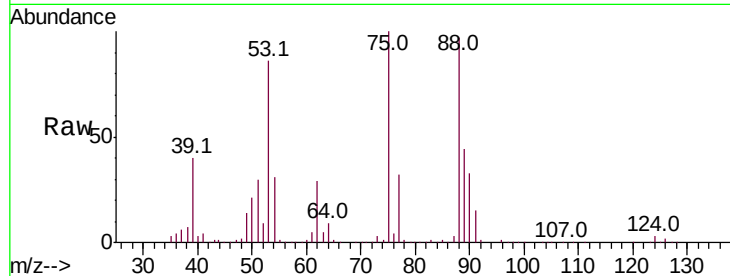
#81
trans-1,4-Dichloro-2-butene
Concen: 111.935 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.3	76.1	114.1
89	45.0	36.3	54.5

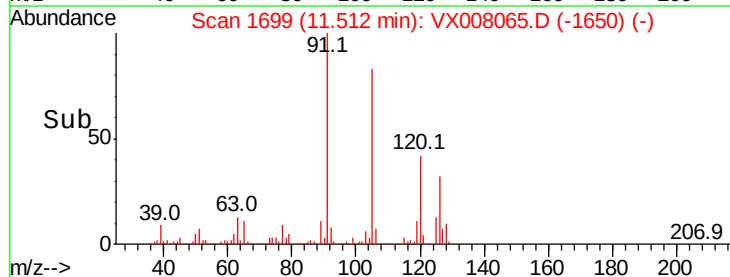
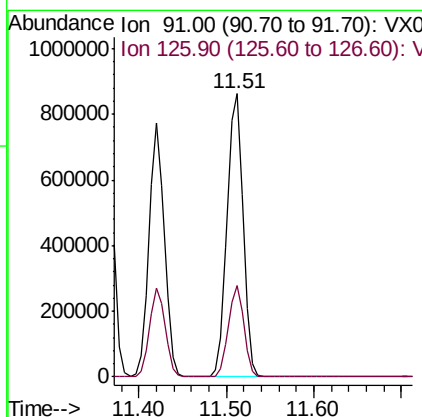
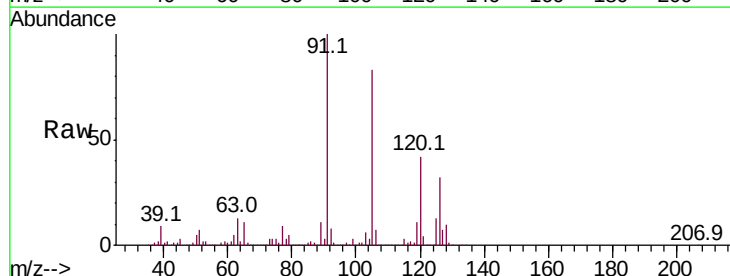
Manual Integrations
APPROVED

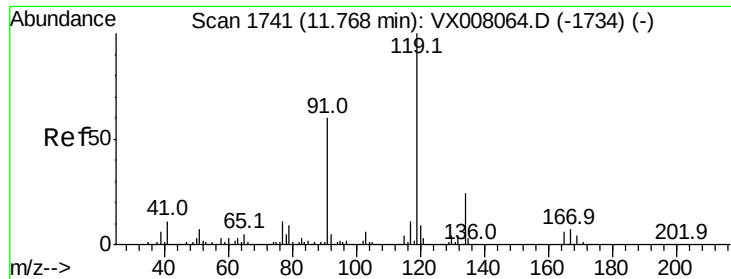
MMDadoda
3/15/2019 9:07:02 AM



#82
4-Chlorotoluene
Concen: 106.339 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.6	46.8





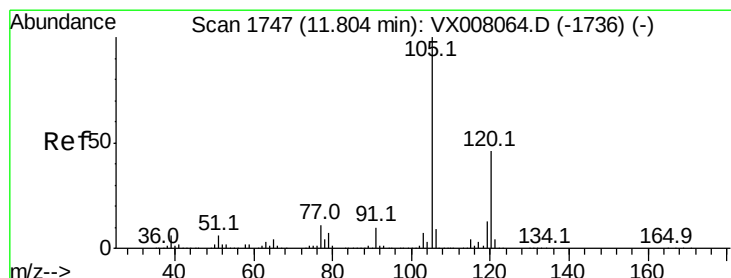
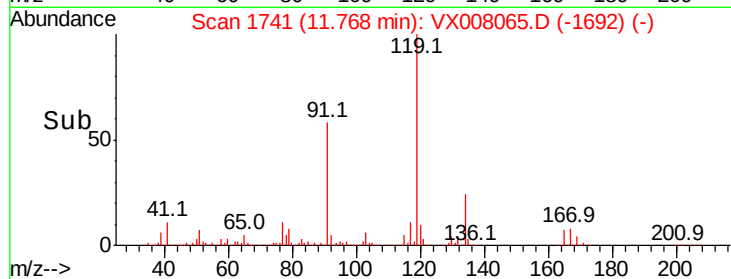
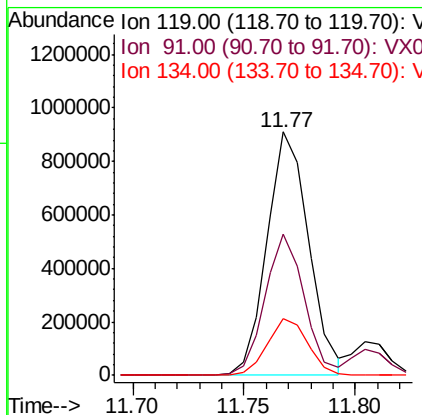
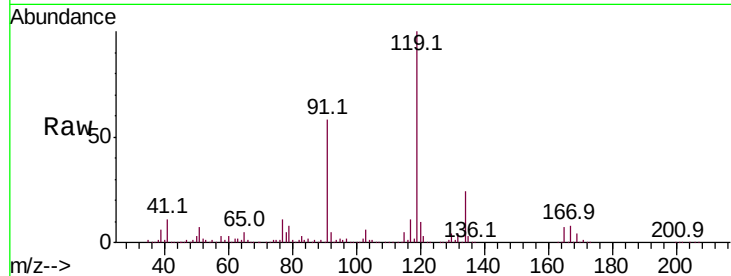
#83
tert-Butylbenzene
Concen: 105.952 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.6	27.1	81.3
134	22.9	11.4	34.1

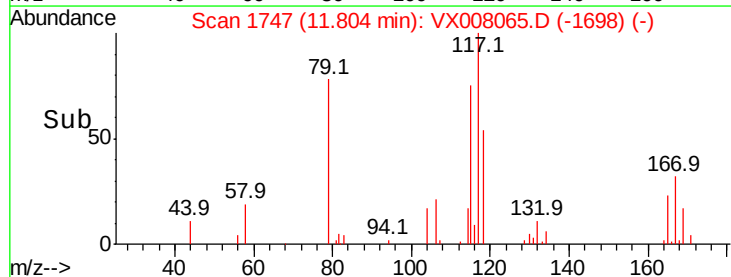
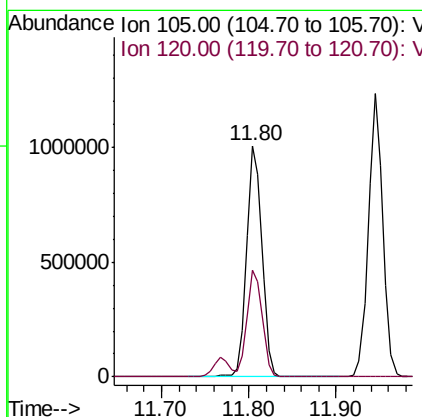
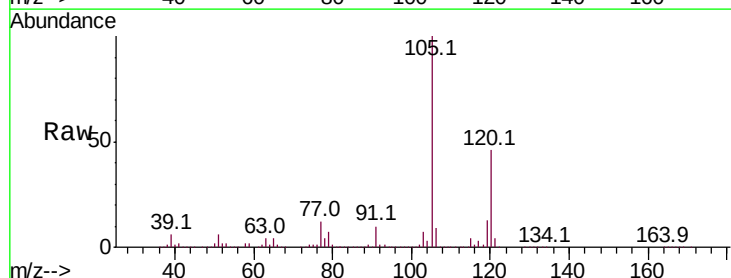
Manual Integrations
APPROVED

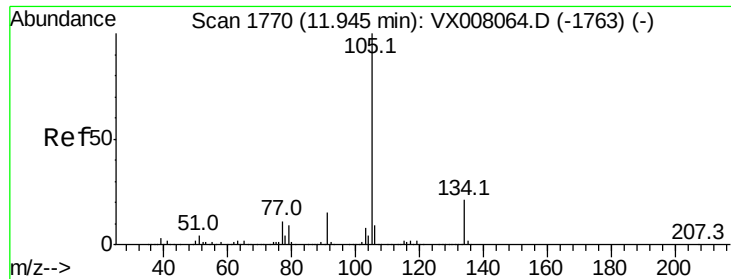
MMDadoda
3/15/2019 9:07:02 AM



#84
1,2,4-Trimethylbenzene
Concen: 103.957 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.6	67.7





#85

sec-Butylbenzene

Concen: 104.580 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008065.D

Acq: 14 Mar 2019 11:25

Instrument :

MSVOA_X

ClientSampled :

VSTDICC100

Tot Ion:105 Resp: 1429804

Ion Ratio Lower Upper

105 100

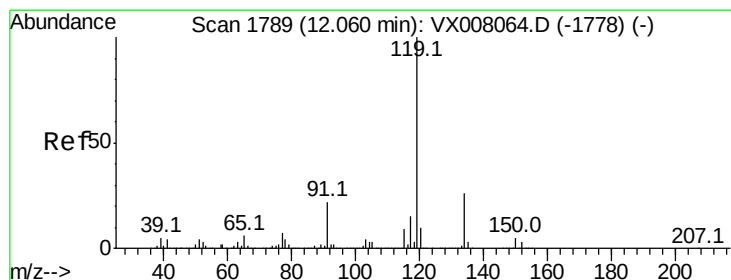
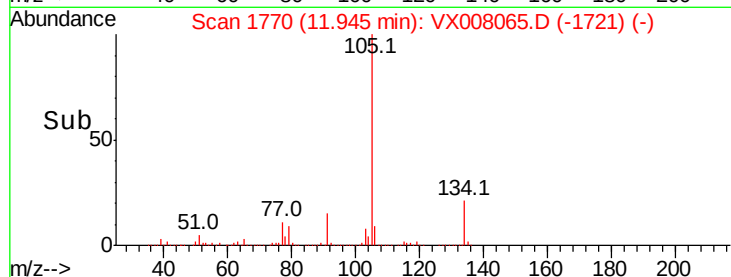
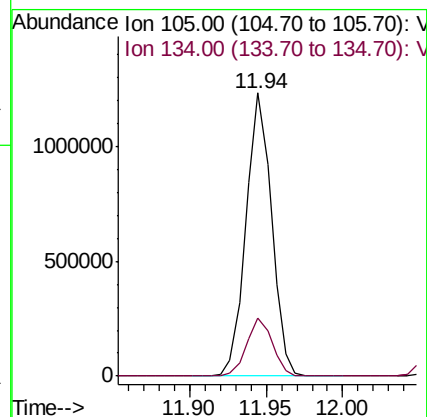
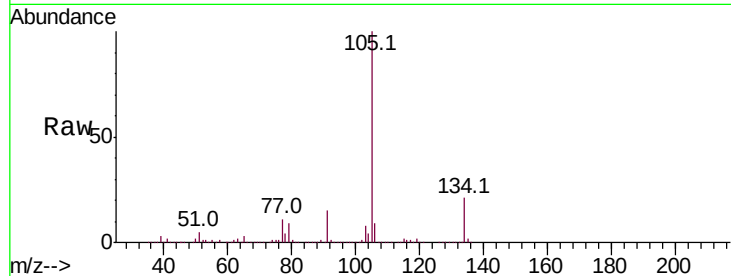
134 20.6 10.4 31.2

Manual Integrations

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MMDadoda

3/15/2019 9:07:02 AM



#86

p-Isopropyltoluene

Concen: 104.692 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008065.D

Acq: 14 Mar 2019 11:25

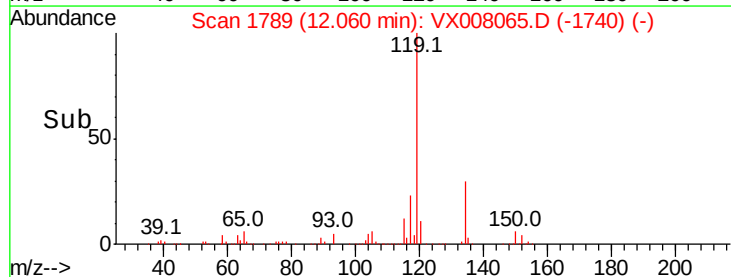
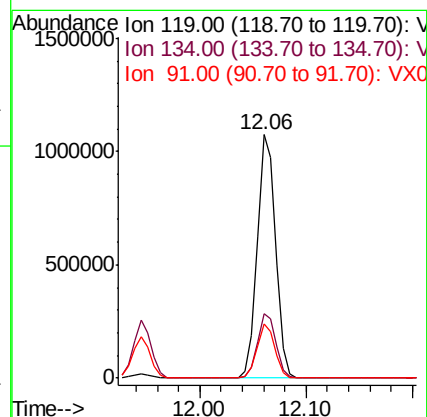
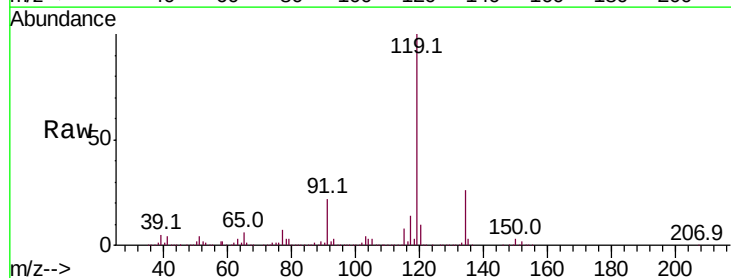
Tgt Ion:119 Resp: 1298010

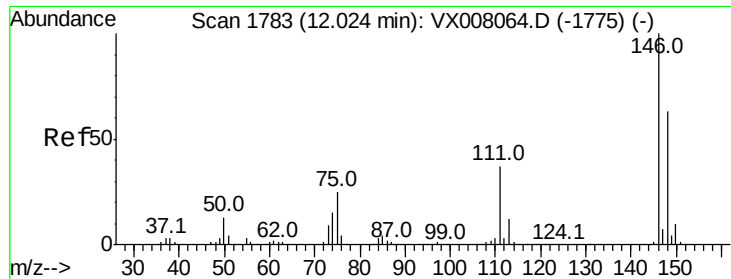
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

91 21.6 10.9 32.7





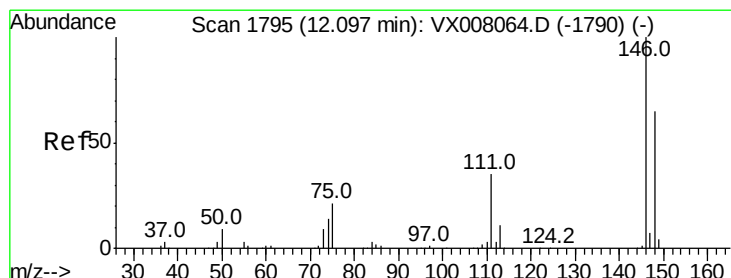
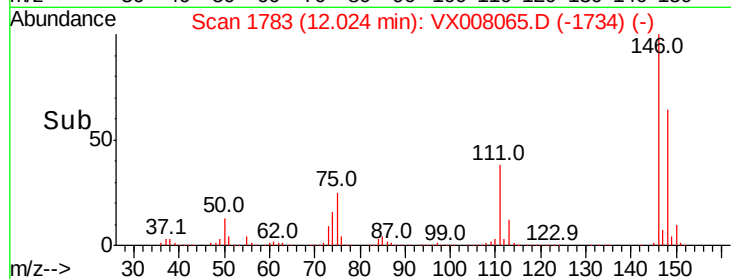
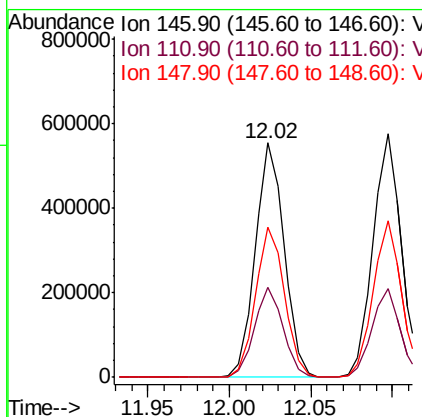
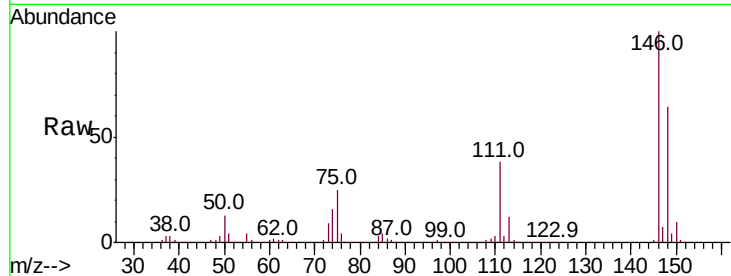
#87
 1,3-Dichlorobenzene
 Concen: 105.185 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008065.D
 Acq: 14 Mar 2019 11:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.9	56.7
148	64.1	31.7	95.1

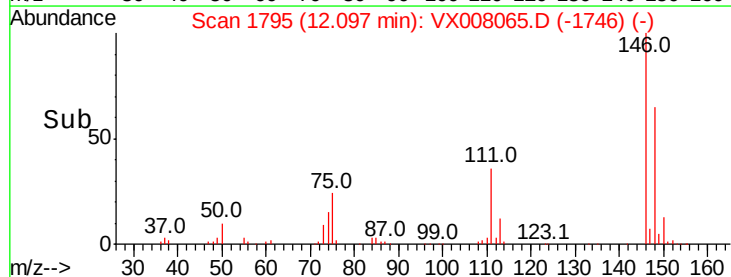
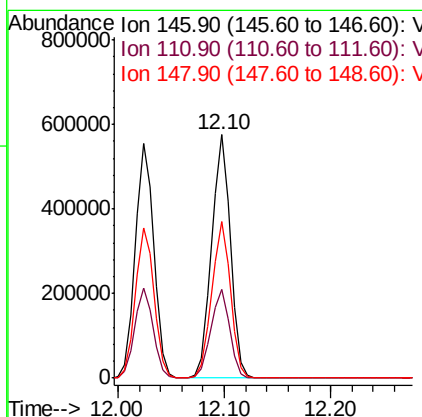
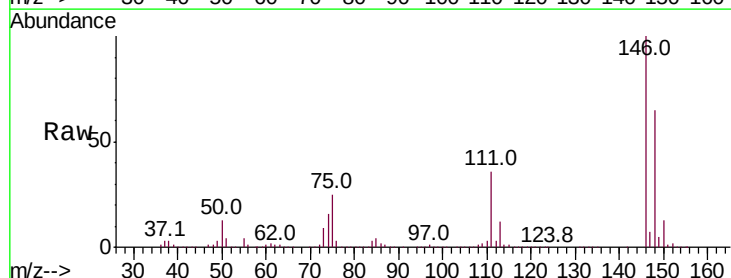
Manual Integrations
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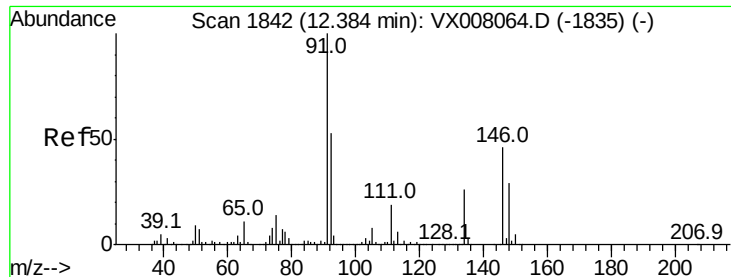
MMDadoda
 3/15/2019 9:07:02 AM



#88
 1,4-Dichlorobenzene
 Concen: 106.925 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008065.D
 Acq: 14 Mar 2019 11:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.4	55.0
148	64.2	32.2	96.6





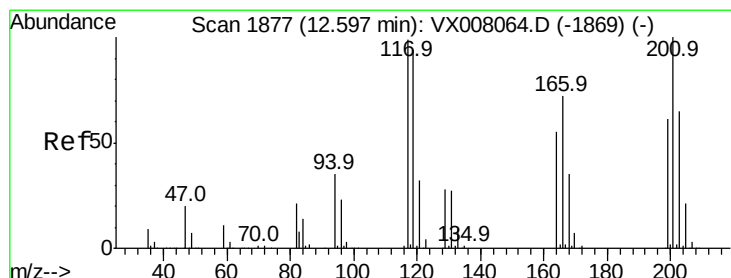
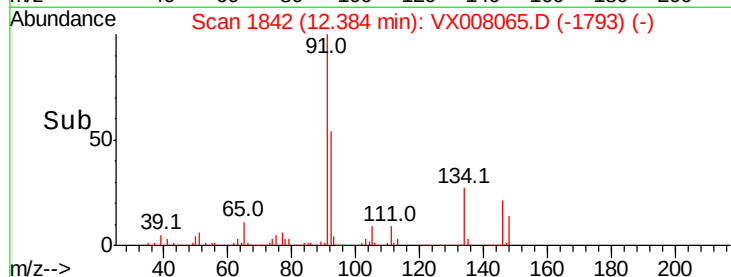
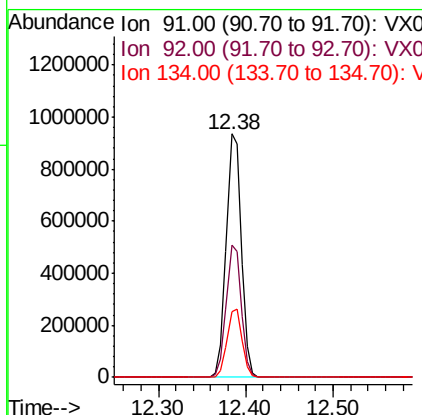
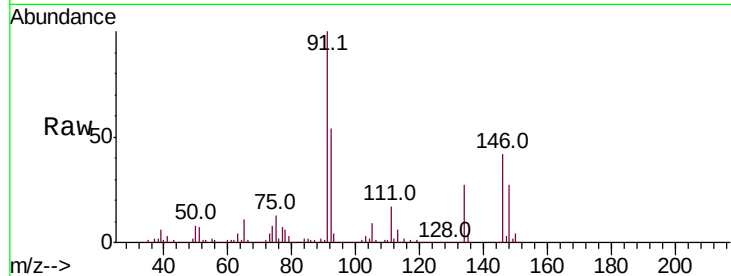
#89
n-Butylbenzene
Concen: 107.685 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1113689
Ion Ratio Lower Upper
91 100
92 53.8 27.0 80.8
134 28.0 13.7 41.0

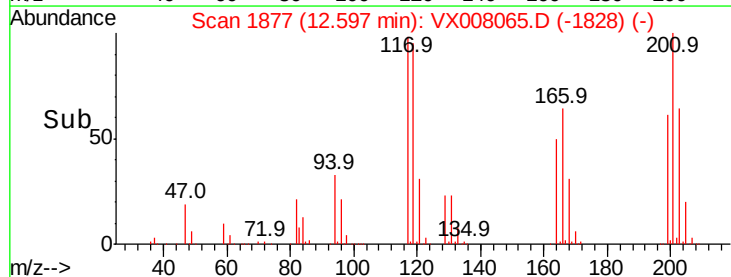
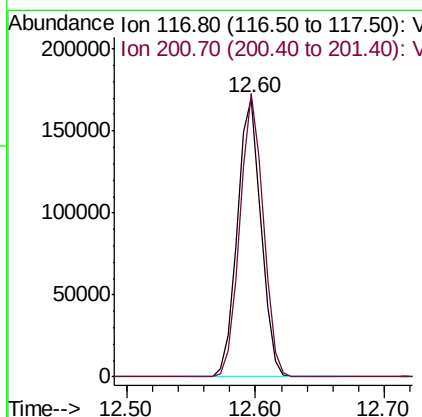
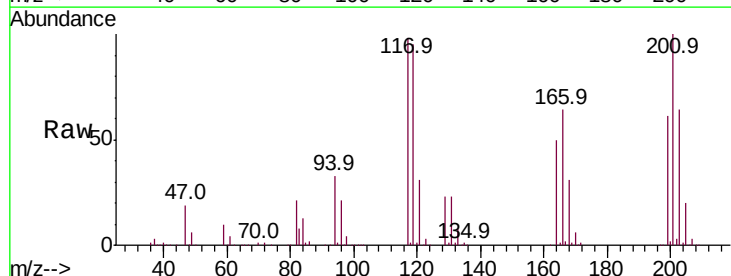
Manual Integrations
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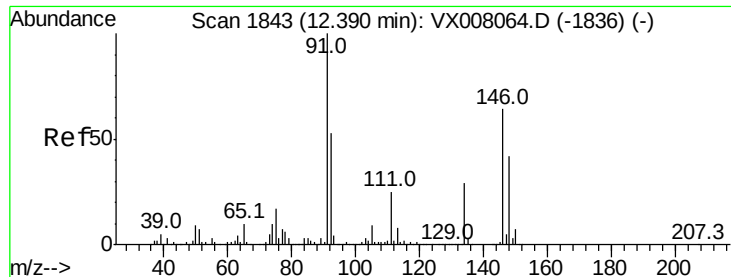
MMDadoda
3/15/2019 9:07:02 AM



#90
Hexachloroethane
Concen: 108.998 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Tgt Ion: 117 Resp: 217124
Ion Ratio Lower Upper
117 100
201 99.5 48.9 146.7





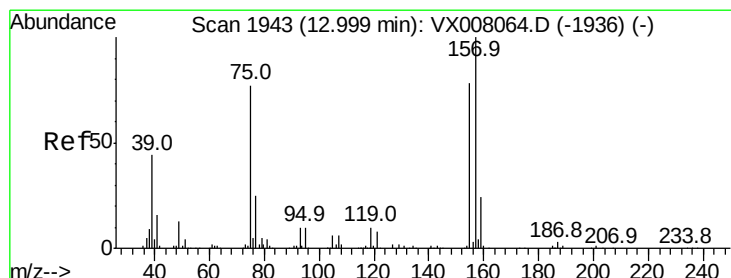
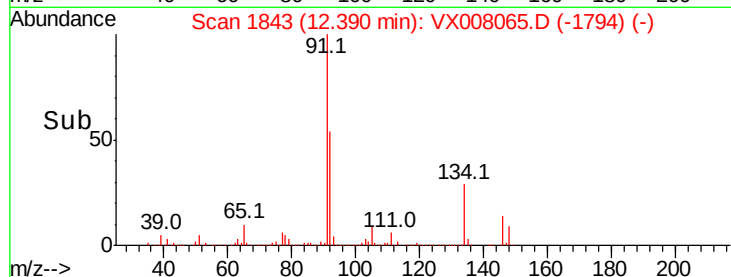
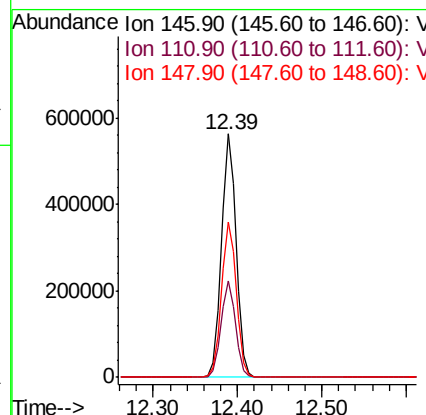
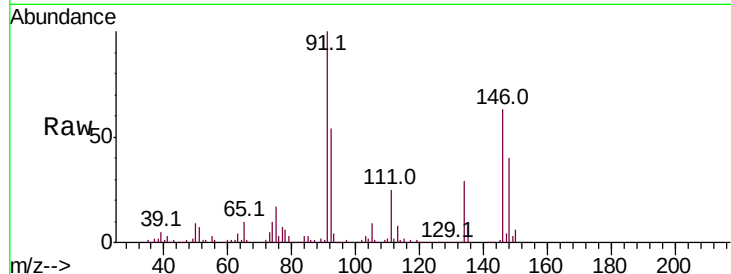
#91
 1,2-Dichlorobenzene
 Concen: 107.064 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008065.D
 Acq: 14 Mar 2019 11:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	682339		
111	39.0		19.6	58.8
148	64.3		31.9	95.5

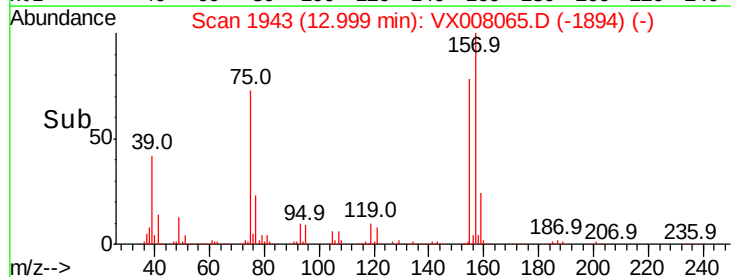
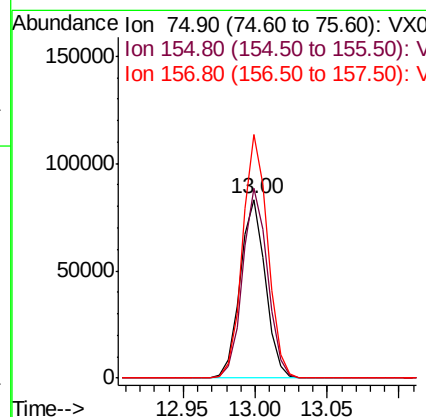
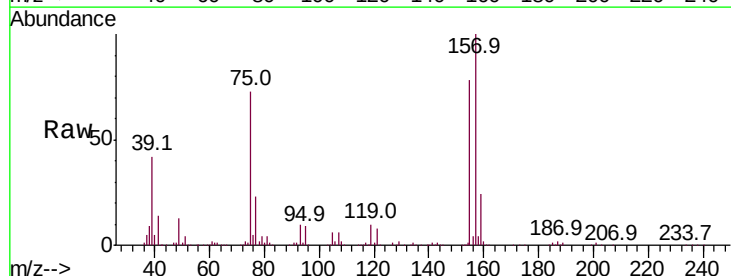
Manual Integrations
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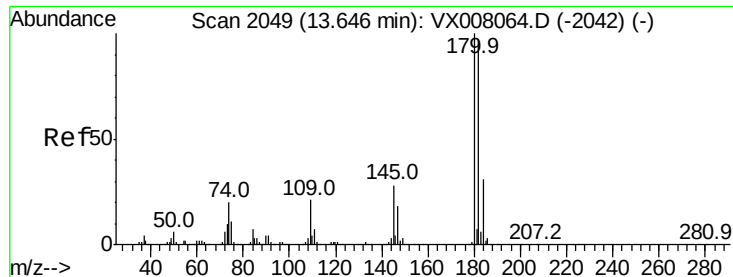
MMDadoda
 3/15/2019 9:07:02 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 107.723 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008065.D
 Acq: 14 Mar 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	101894		
155	104.5		49.7	149.1
157	134.8		63.8	191.4





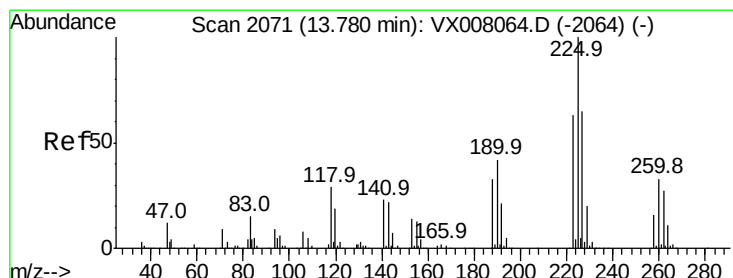
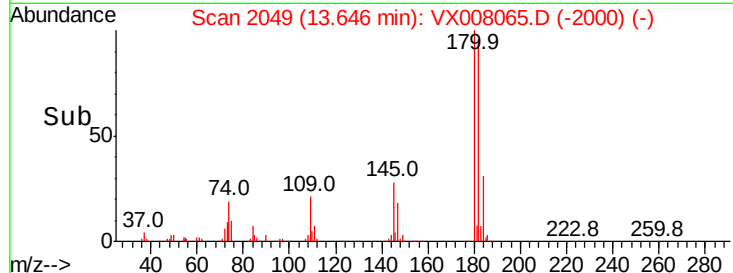
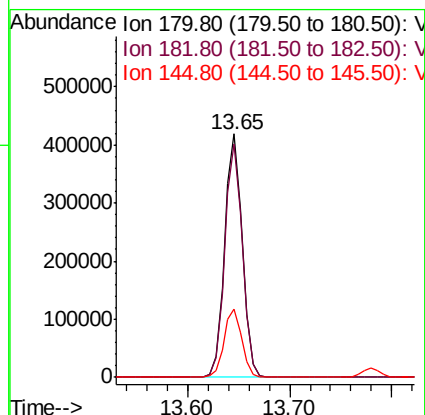
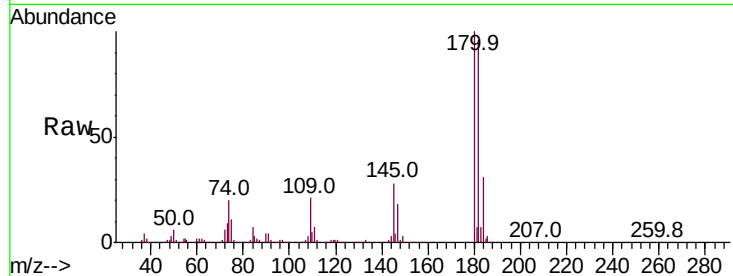
#93
1,2,4-Trichlorobenzene
Concen: 109.766 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.0	47.9	143.7	
145	28.4	14.1	42.4	

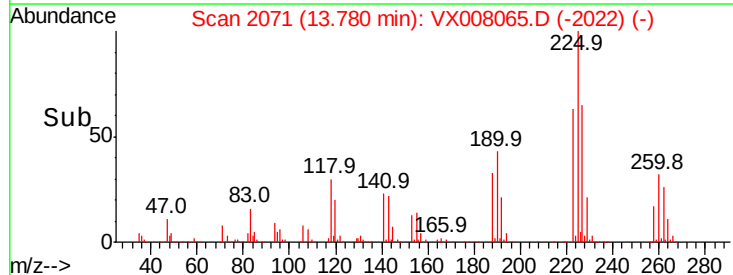
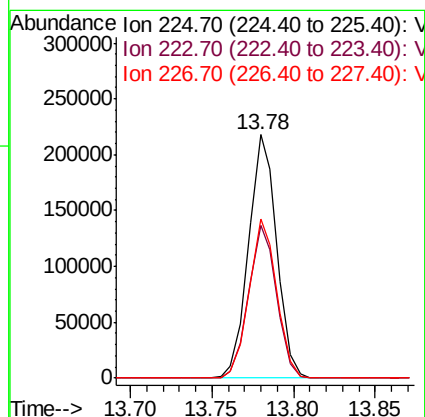
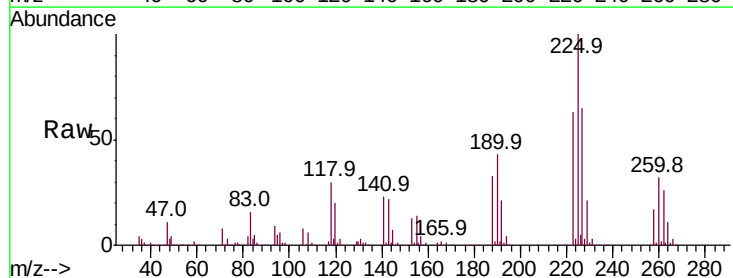
Manual Integrations
APPROVED

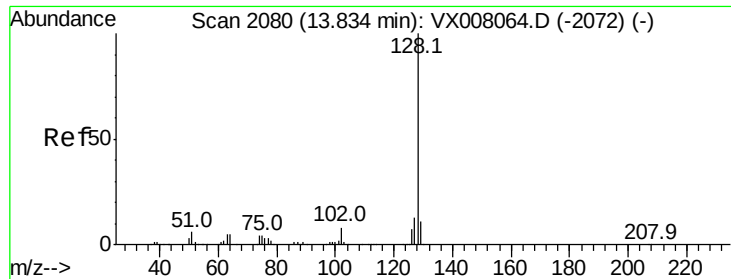
MMDadoda
3/15/2019 9:07:02 AM



#94
Hexachlorobutadiene
Concen: 104.919 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.3	31.1	93.2	
227	64.3	32.0	96.0	





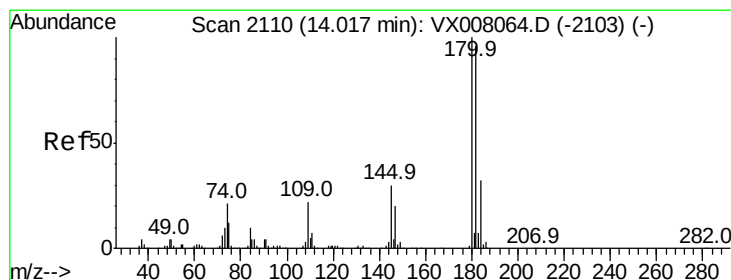
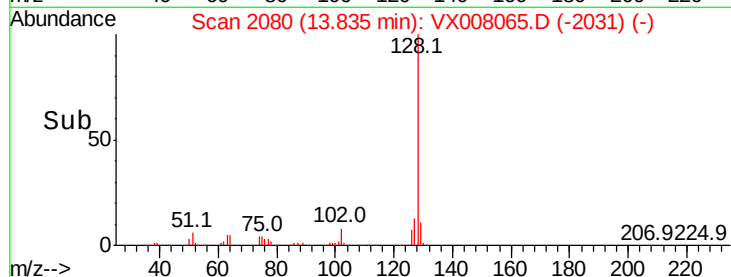
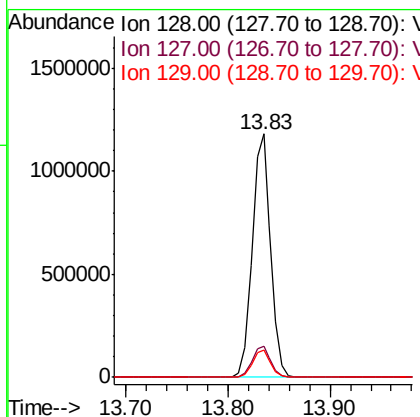
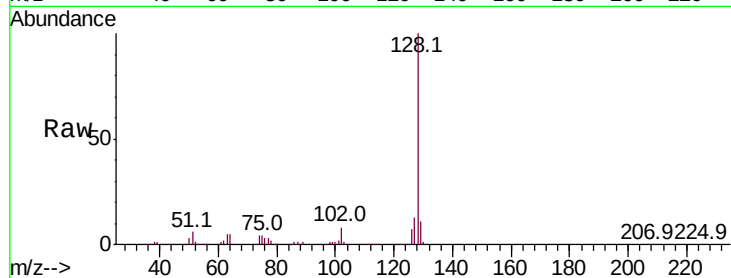
#95
Naphthalene
Concen: 108.897 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/15/2019 9:07:02 AM



#96
1,2,3-Trichlorobenzene
Concen: 108.929 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX008065.D
Acq: 14 Mar 2019 11:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.5	142.5
145	29.9	14.8	44.3

