

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031519\
 Data File : VX008132.D
 Acq On : 16 Mar 2019 03:04
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/16/2019 10:33:38 AM

Quant Time: Mar 16 05:33:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 03:56:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	246398	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	357494	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	311410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	160923	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	118786	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
35) Dibromofluoromethane	5.50	113	110203	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
50) Toluene-d8	8.71	98	408606	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	
62) 4-Bromofluorobenzene	11.13	95	145818	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	87203	44.213	ug/l 100
3) Chloromethane	1.33	50	83160	35.810	ug/l 97
4) Vinyl Chloride	1.41	62	88315	39.856	ug/l 99
5) Bromomethane	1.64	94	48730	45.132	ug/l 98
6) Chloroethane	1.72	64	53928	45.142	ug/l 99
7) Trichlorofluoromethane	1.93	101	120092	45.156	ug/l 98
8) Diethyl Ether	2.19	74	65704	49.700	ug/l 87
9) 1,1,2-Trichlorotrifluoroet	2.39	101	94378	47.482	ug/l 95
10) Methyl Iodide	2.51	142	155386	55.960	ug/l 97
11) Tert butyl alcohol	3.08	59	121558	253.140	ug/l 99
12) 1,1-Dichloroethene	2.37	96	95881	51.037	ug/l 89
13) Acrolein	2.30	56	82773	187.131	ug/l 100
14) Allyl chloride	2.73	41	152137	44.460	ug/l 95
15) Acrylonitrile	3.15	53	282040	240.866	ug/l 100
16) Acetone	2.45	43	227037	193.483	ug/l 97
17) Carbon Disulfide	2.57	76	262808	48.721	ug/l 100
18) Methyl Acetate	2.78	43	130098	51.297	ug/l 93
19) Methyl tert-butyl Ether	3.21	73	318741	50.182	ug/l 97
20) Methylene Chloride	2.86	84	103446	49.360	ug/l 88
21) trans-1,2-Dichloroethene	3.17	96	100998	49.897	ug/l 91
22) Diisopropyl ether	3.87	45	321866	47.332	ug/l 98
23) Vinyl Acetate	3.82	43	1379603	238.546	ug/l 96
24) 1,1-Dichloroethane	3.70	63	186477	50.025	ug/l 99
25) 2-Butanone	4.70	43	400019	222.093	ug/l 93
26) 2,2-Dichloropropane	4.58	77	96100	33.745	ug/l 96
27) cis-1,2-Dichloroethene	4.60	96	118015	49.048	ug/l 92
28) Bromochloromethane	5.02	49	84644	48.078	ug/l 84
29) Tetrahydrofuran	5.15	42	267039	237.502	ug/l 93
30) Chloroform	5.21	83	184739	48.926	ug/l 99
31) Cyclohexane	5.57	56	163924	46.125	ug/l 93
32) 1,1,1-Trichloroethane	5.49	97	160244	50.383	ug/l 97
36) 1,1-Dichloropropene	5.80	75	137632	46.798	ug/l 97
37) Ethyl Acetate	4.85	43	148391	46.946	ug/l 97
38) Carbon Tetrachloride	5.78	117	141400	49.950	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	163841	43.583	ug/l	95
40) Benzene	6.14	78	428888	47.602	ug/l	99
41) Methacrylonitrile	5.06	41	83503	45.374	ug/l	94
42) 1,2-Dichloroethane	6.20	62	136643	47.409	ug/l	98
43) Isopropyl Acetate	6.46	43	234068	45.982	ug/l	97
44) Trichloroethene	7.21	130	124571	47.908	ug/l	93
45) 1,2-Dichloropropane	7.51	63	109558	46.092	ug/l	98
46) Dibromomethane	7.66	93	73244	49.164	ug/l	94
47) Bromodichloromethane	7.90	83	136129	48.046	ug/l	98
48) Methyl methacrylate	7.77	41	122710	46.156	ug/l	95
49) 1,4-Dioxane	7.75	88	56835	991.177	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	750247	223.624	ug/l	96
52) Toluene	8.79	92	272179	47.525	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	142281	45.809	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	160038	46.362	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	111563	47.841	ug/l	98
56) Ethyl methacrylate	9.18	69	165922	48.168	ug/l	93
57) 1,3-Dichloropropane	9.37	76	178696	46.304	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	461950	227.957	ug/l	94
59) 2-Hexanone	9.49	43	571313	217.743	ug/l	96
60) Dibromochloromethane	9.58	129	117960	49.080	ug/l	99
61) 1,2-Dibromoethane	9.67	107	119023	48.711	ug/l	100
64) Tetrachloroethene	9.34	164	128135	50.783	ug/l	97
65) Chlorobenzene	10.14	112	301864	48.847	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	113975	51.969	ug/l	100
67) Ethyl Benzene	10.25	91	498650	48.750	ug/l	99
68) m/p-Xylenes	10.36	106	391051	99.911	ug/l	99
69) o-Xylene	10.69	106	191118	50.089	ug/l	98
70) Styrene	10.71	104	315511	50.477	ug/l	99
71) Bromoform	10.86	173	94902	52.289	ug/l #	99
73) Isopropylbenzene	11.02	105	505386	49.034	ug/l	99
74) N-amyl acetate	10.90	43	195454	44.954	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	159856	47.335	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	152812m	54.678	ug/l	
77) Bromobenzene	11.26	156	141519	50.304	ug/l	94
78) n-propylbenzene	11.36	91	551584	48.779	ug/l	99
79) 2-Chlorotoluene	11.42	91	332510	48.149	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	421346	49.610	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	43895	44.694	ug/l	97
82) 4-Chlorotoluene	11.51	91	379839	48.024	ug/l	98
83) tert-Butylbenzene	11.77	119	420482	49.404	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	437669	49.959	ug/l	100
85) sec-Butylbenzene	11.94	105	498709	49.180	ug/l	100
86) p-Isopropyltoluene	12.06	119	453158	49.412	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	245118	48.956	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	246504	48.484	ug/l	99
89) n-Butylbenzene	12.38	91	356101	46.404	ug/l	99
90) Hexachloroethane	12.60	117	72582	49.451	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	247197	49.762	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34862	51.059	ug/l	89

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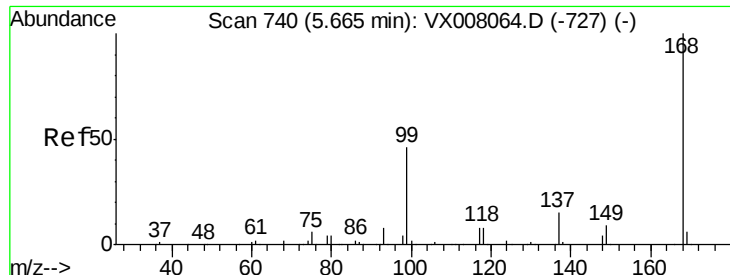
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	173134	49.202	ug/l	99
94) Hexachlorobutadiene	13.78	225	91344	47.779	ug/l	100
95) Naphthalene	13.83	128	527992	53.363	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	178575	51.551	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: VX008132.D

Acq: 16 Mar 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 246398

Ion Ratio Lower Upper

168 100

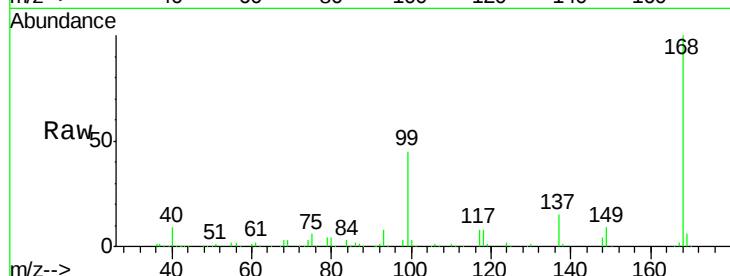
99 44.5 37.6 56.4

Manual Integrations

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3/16/2019 10:33:38 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

40000

20000

0

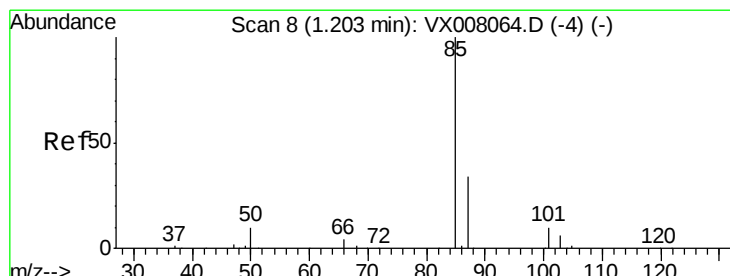
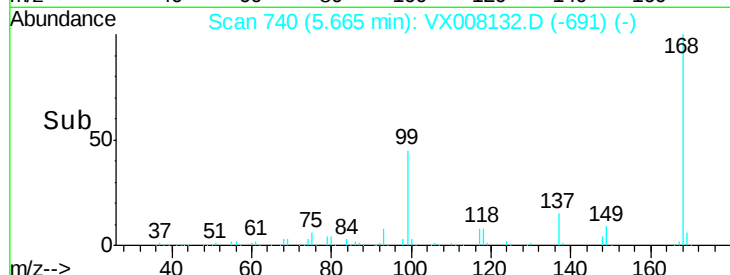
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 44.213 ug/l

RT: 1.20 min Scan# 8

Delta R.T. -0.00 min

Lab File: VX008132.D

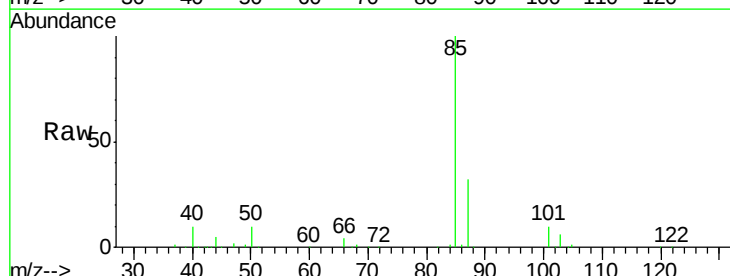
Acq: 16 Mar 2019 03:04

Tgt Ion: 85 Resp: 87203

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

60000

40000

20000

0

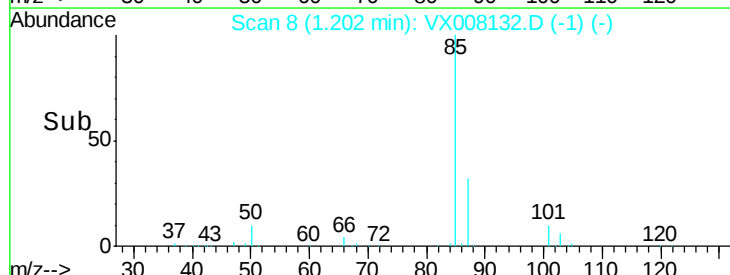
Time-->

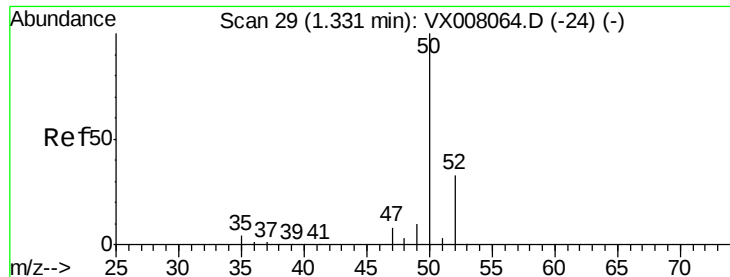
1.15

1.20

1.25

1.30





#3

Chloromethane

Concen: 35.810 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 83160

Ion Ratio Lower Upper

50 100

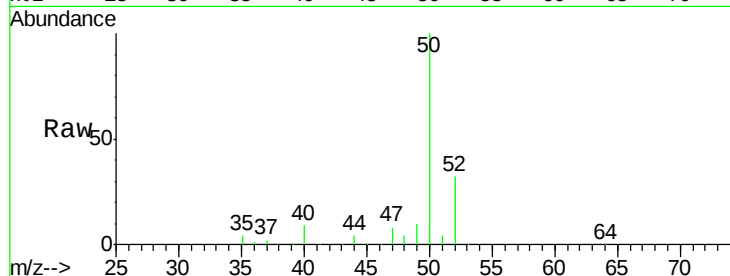
52 31.6 26.5 39.7

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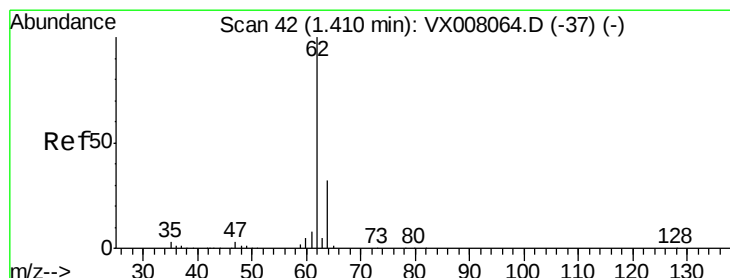
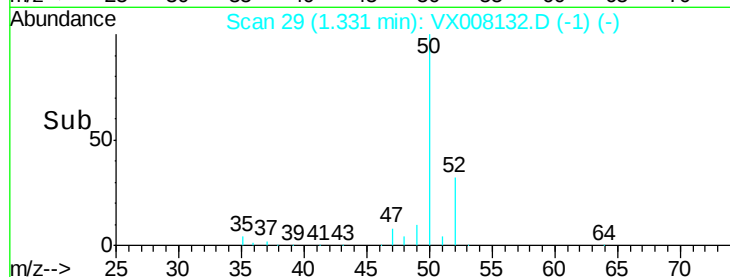
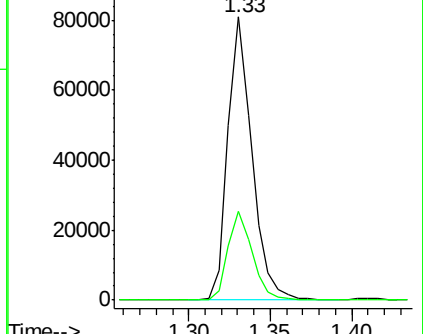
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 39.856 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008132.D

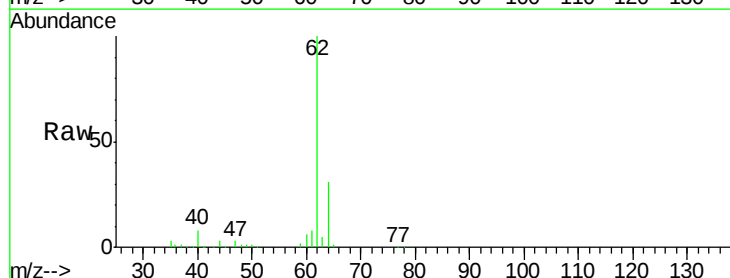
Acq: 16 Mar 2019 03:04

Tgt Ion: 62 Resp: 88315

Ion Ratio Lower Upper

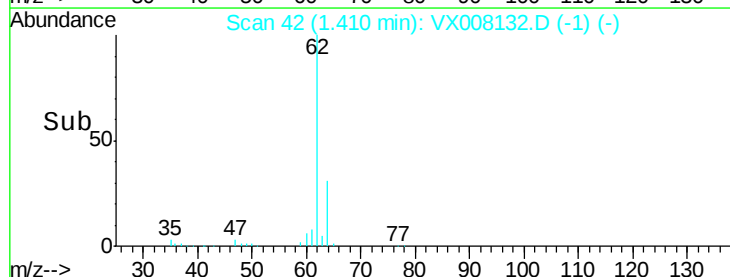
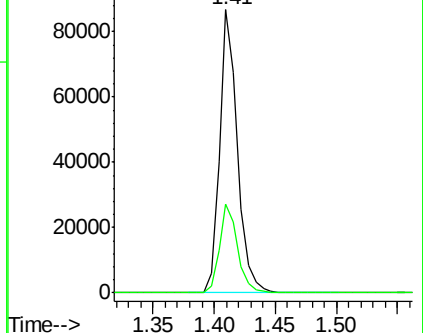
62 100

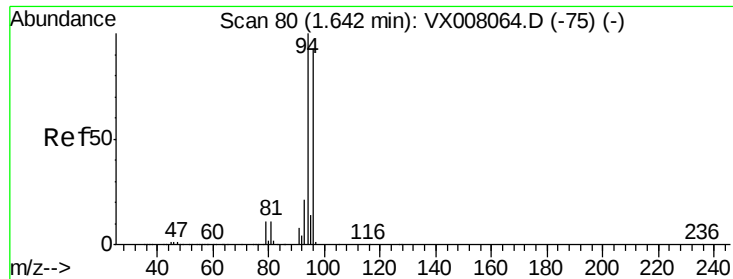
64 31.2 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 45.132 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 48730

Ion Ratio Lower Upper

94 100

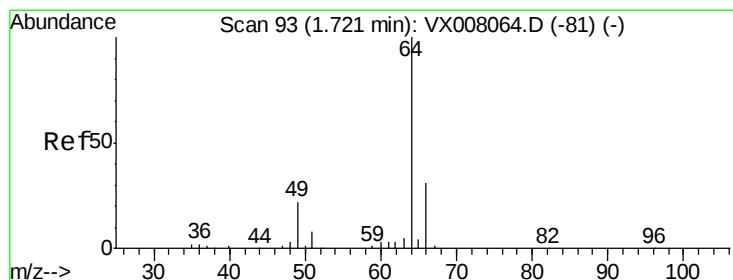
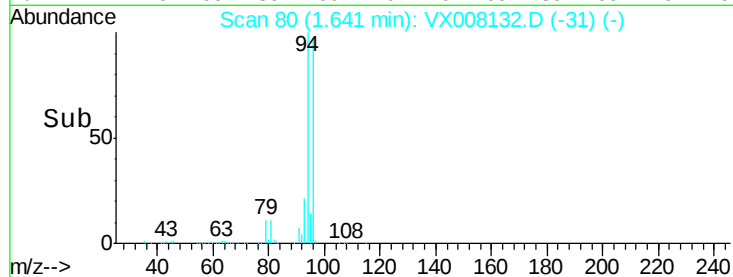
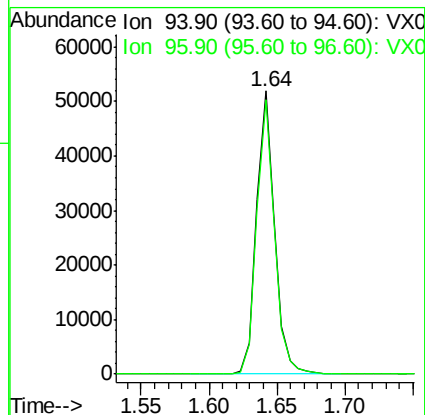
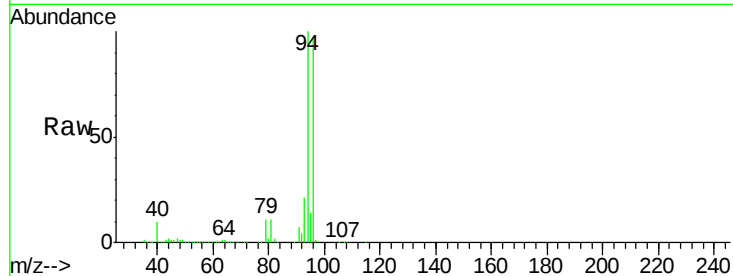
96 96.8 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 45.142 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX008132.D

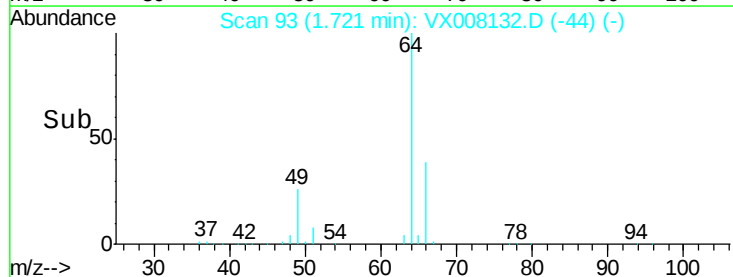
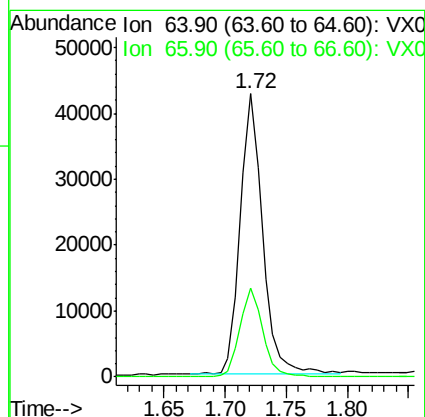
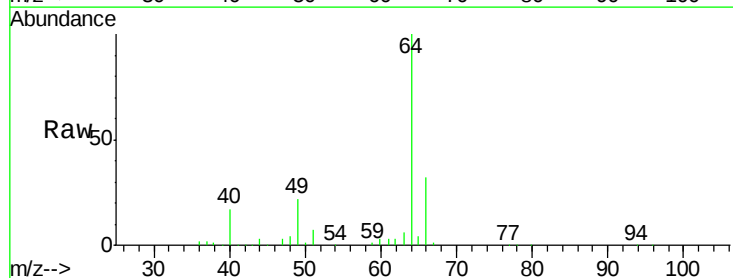
Acq: 16 Mar 2019 03:04

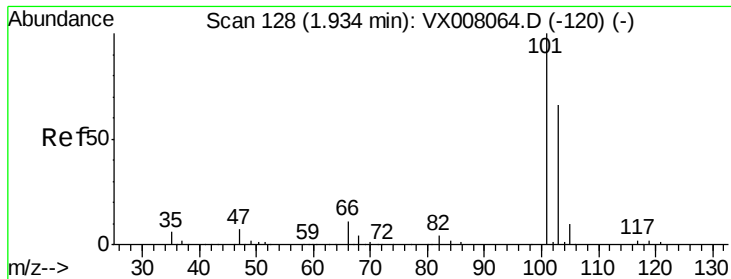
Tgt Ion: 64 Resp: 53928

Ion Ratio Lower Upper

64 100

66 31.9 25.2 37.8





#7

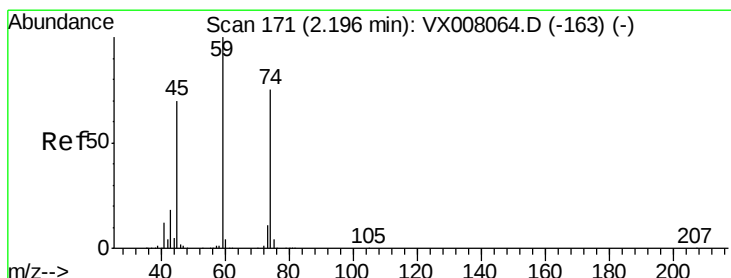
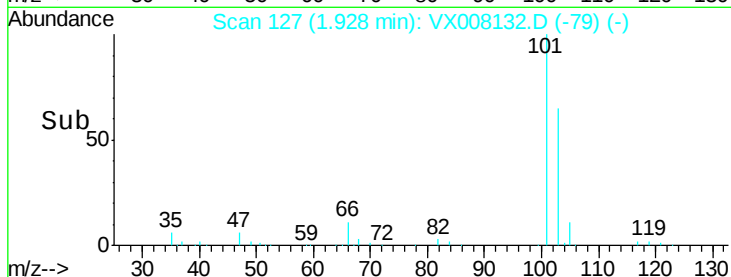
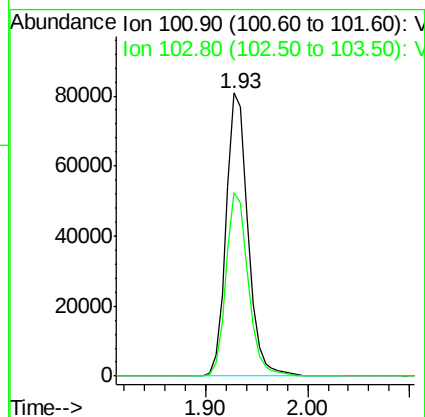
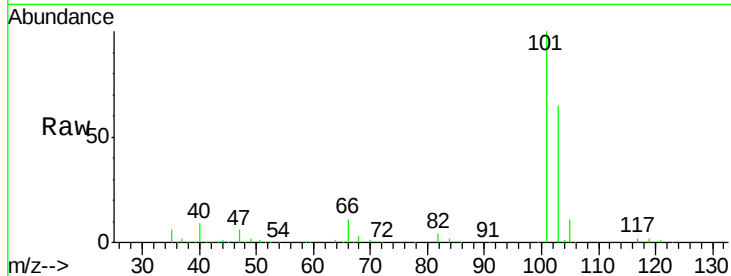
Trichlorofluoromethane
Concen: 45.156 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.01 min
Lab File: VX008132.D
Acq: 16 Mar 2019 03:04

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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	50.4	75.6

Manual Integrations
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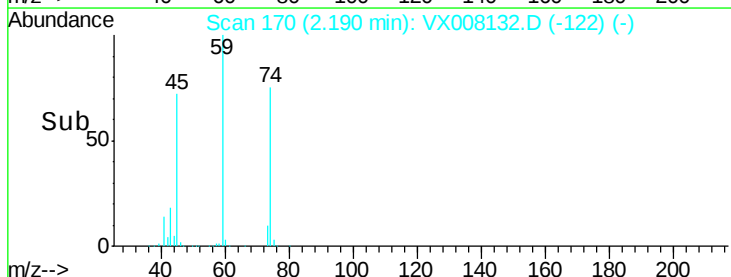
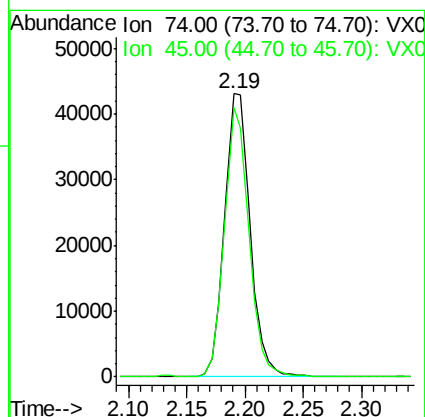
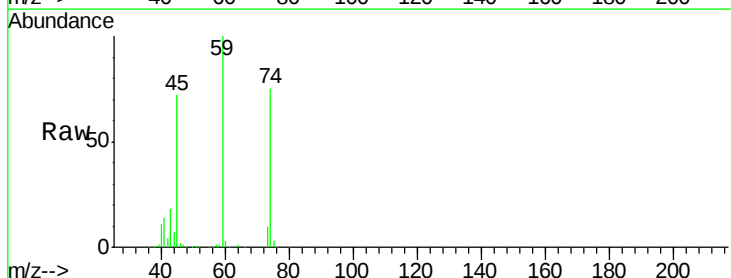
MMDadoda
3/16/2019 10:33:38 AM

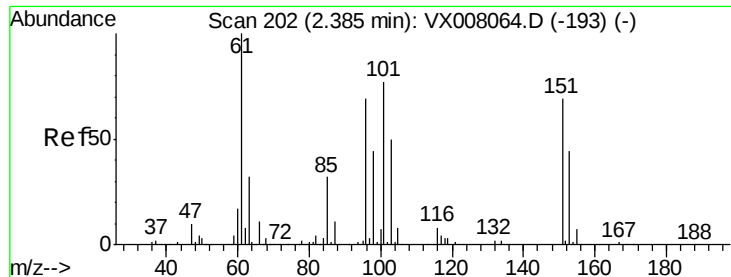


#8

Diethyl Ether
Concen: 49.700 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.01 min
Lab File: VX008132.D
Acq: 16 Mar 2019 03:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.9	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.482 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:101 Resp: 94378

Ion Ratio Lower Upper

101 100

85 40.0 33.8 50.6

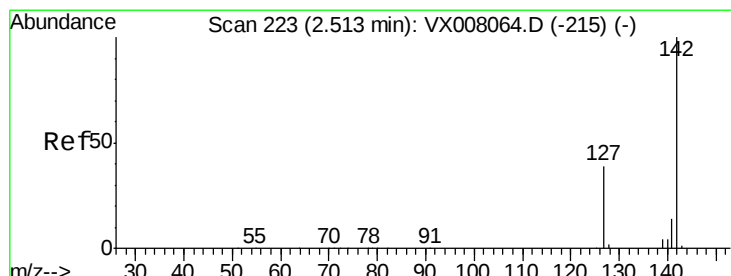
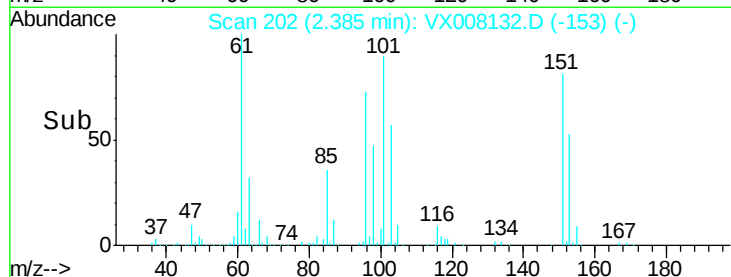
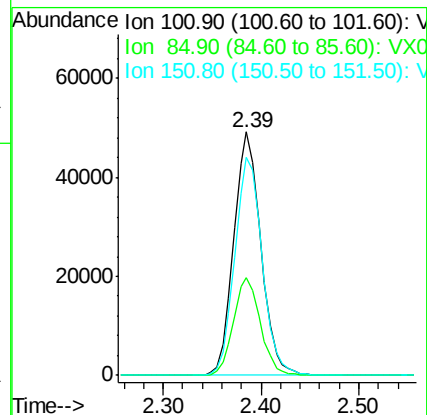
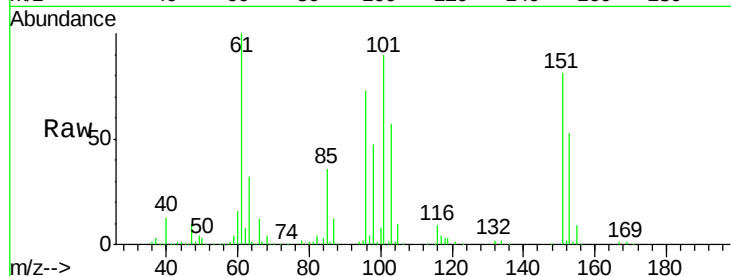
151 91.1 69.1 103.7

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#10

Methyl Iodide

Concen: 55.960 ug/l

RT: 2.51 min Scan# 223

Delta R.T. -0.00 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

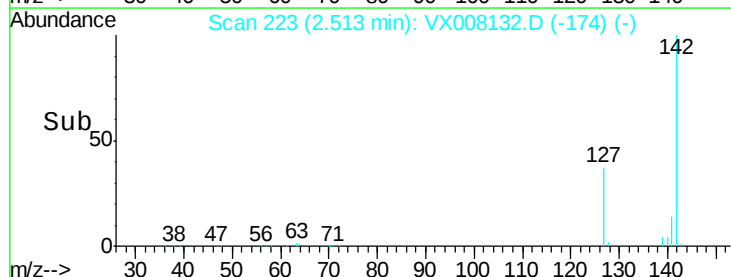
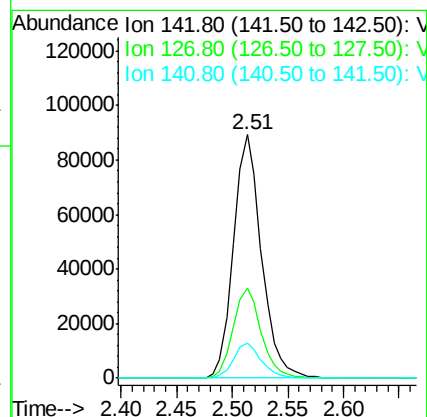
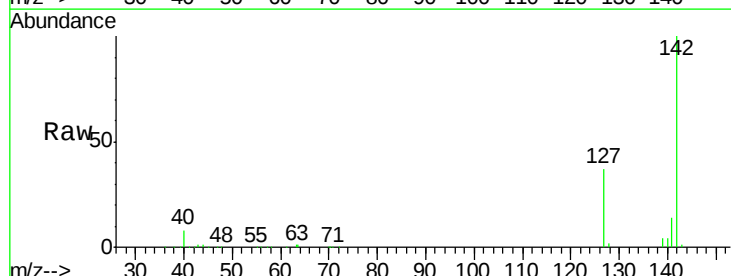
Tgt Ion:142 Resp: 155386

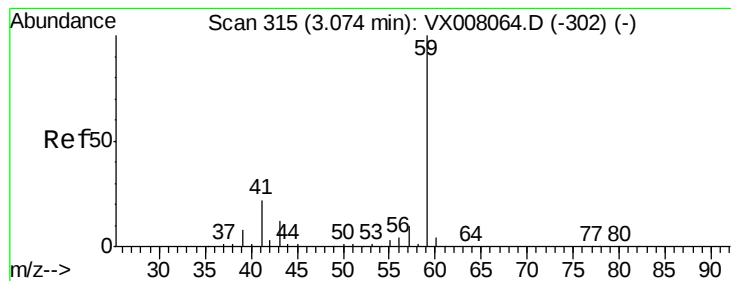
Ion Ratio Lower Upper

142 100

127 37.4 32.1 48.1

141 14.4 11.4 17.2





#11

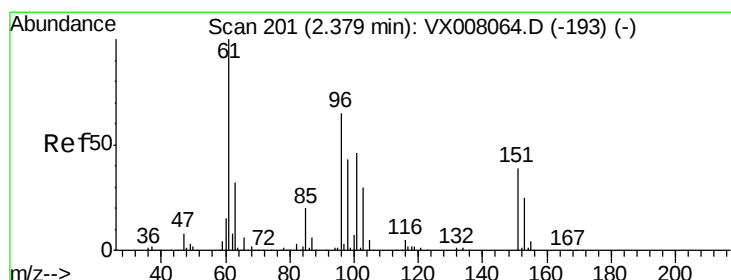
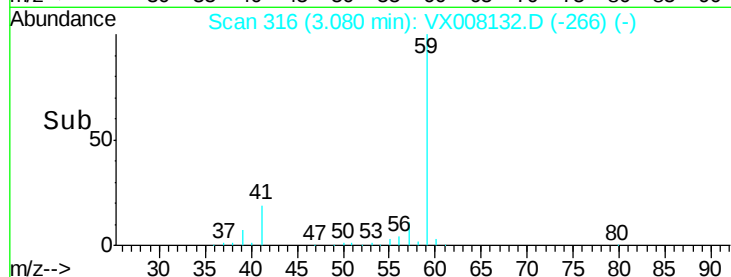
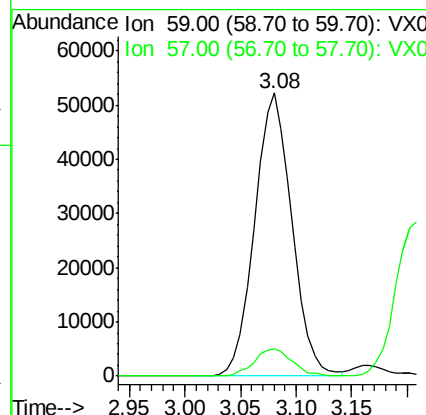
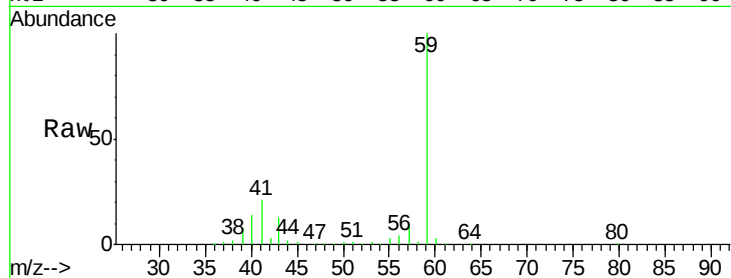
Tert butyl alcohol
Concen: 253.140 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX008132.D
Acq: 16 Mar 2019 03:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	121558		
57	9.9		8.2	12.2

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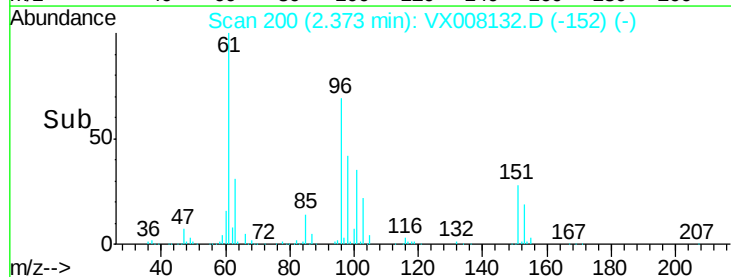
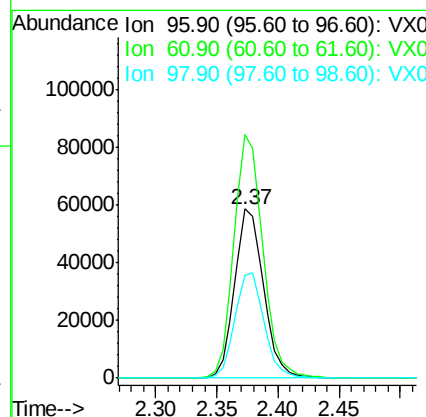
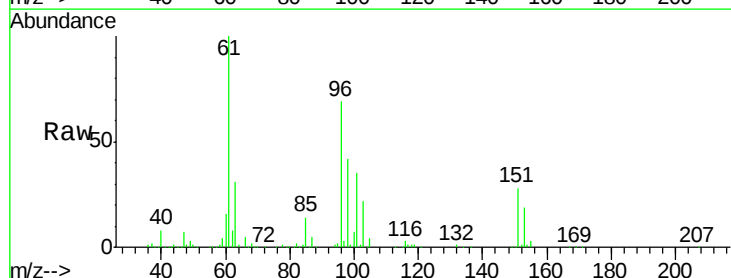
MMDadoda
3/16/2019 10:33:38 AM

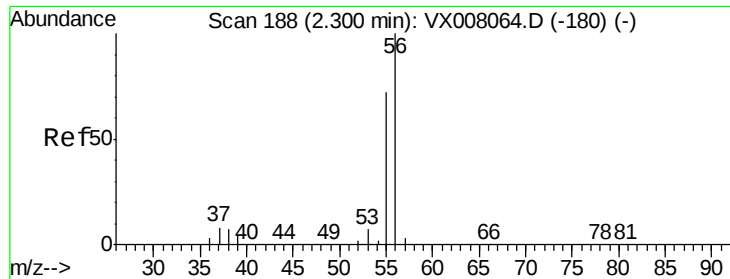


#12

1,1-Dichloroethene
Concen: 51.037 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.01 min
Lab File: VX008132.D
Acq: 16 Mar 2019 03:04

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	95881		
61	144.2		129.8	194.6
98	60.7		51.0	76.6





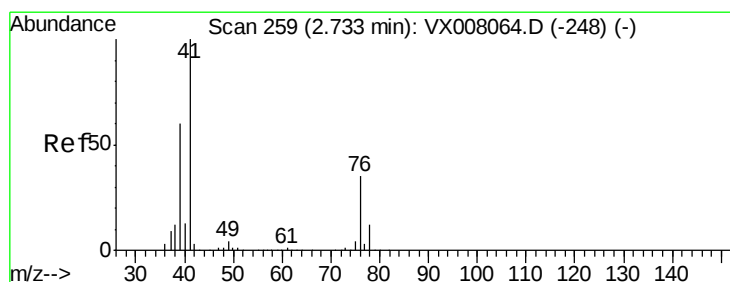
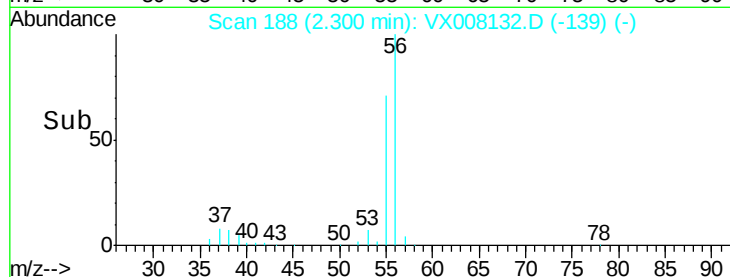
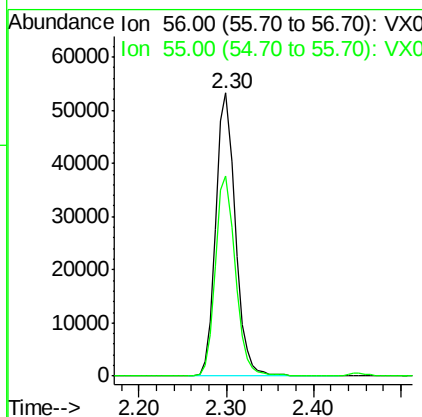
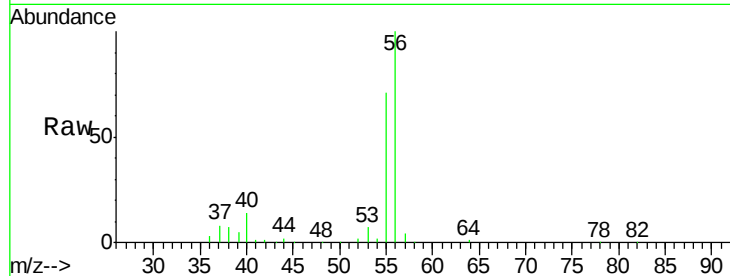
#13
Acrolein
Concen: 187.131 ug/l
RT: 2.30 min Scan# 188
Delta R.T. -0.00 min
Lab File: VX008132.D
Acq: 16 Mar 2019 03:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 82773
Ion Ratio Lower Upper
56 100
55 72.5 57.8 86.6

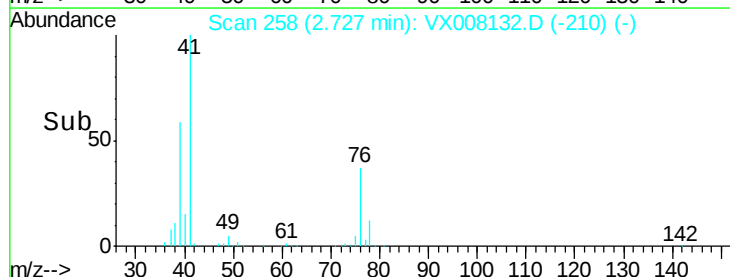
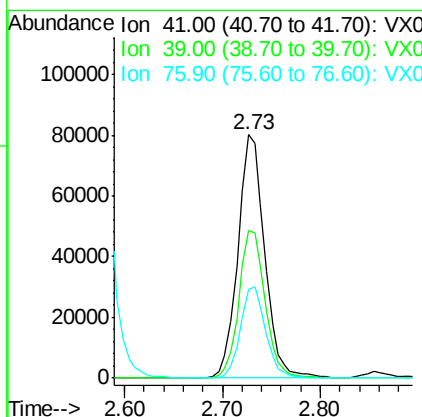
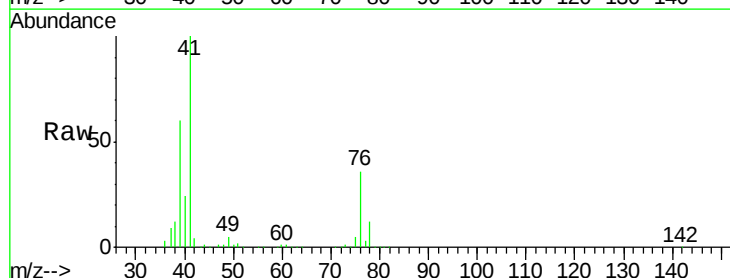
Manual Integrations
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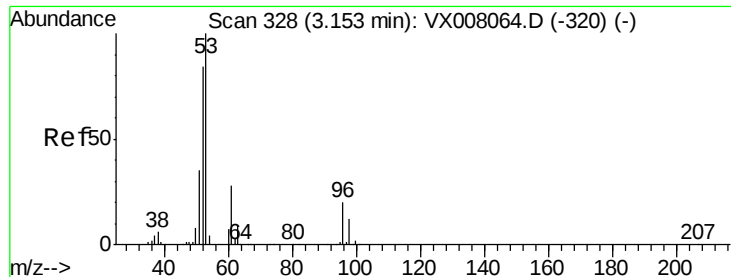
MMDadoda
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#14
Allyl chloride
Concen: 44.460 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.01 min
Lab File: VX008132.D
Acq: 16 Mar 2019 03:04

Tgt Ion: 41 Resp: 152137
Ion Ratio Lower Upper
41 100
39 59.7 46.1 69.1
76 35.5 24.0 36.0





#15

Acrylonitrile

Concen: 240.866 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

Instrument :

MSVOA_X

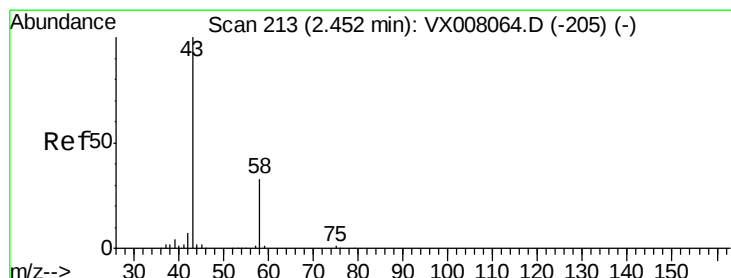
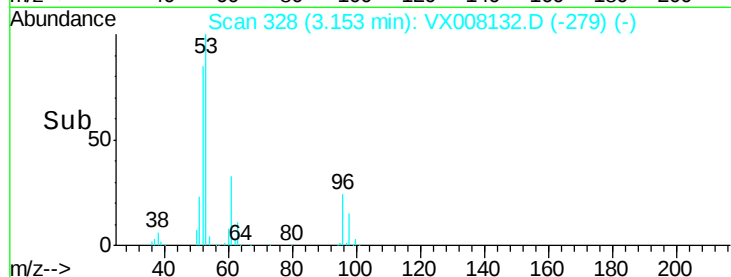
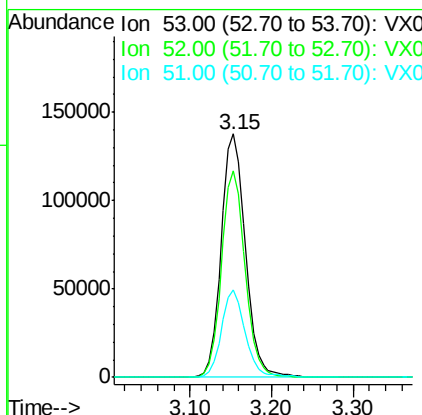
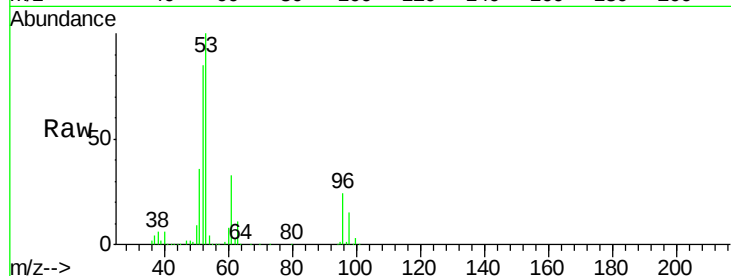
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	282040
Ion Ratio	Lower	Upper	
53	100		
52	82.7	66.0	99.0
51	35.3	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 193.483 ug/l

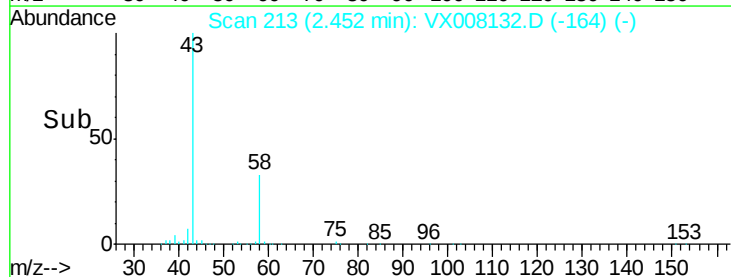
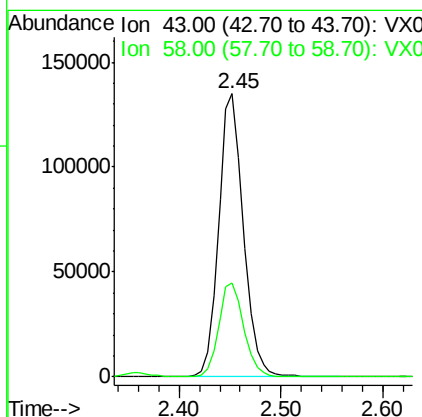
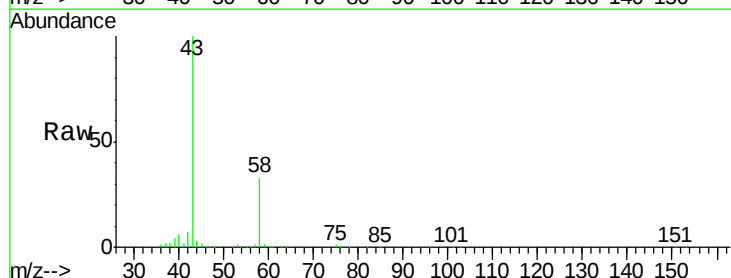
RT: 2.45 min Scan# 213

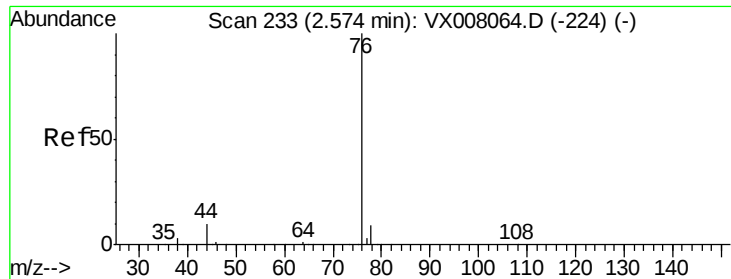
Delta R.T. -0.00 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

Tgt Ion:	43	Resp:	227037
Ion Ratio	Lower	Upper	
43	100		
58	33.3	25.5	38.3





#17

Carbon Disulfide

Concen: 48.721 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 262808

Ion Ratio Lower Upper

76 100

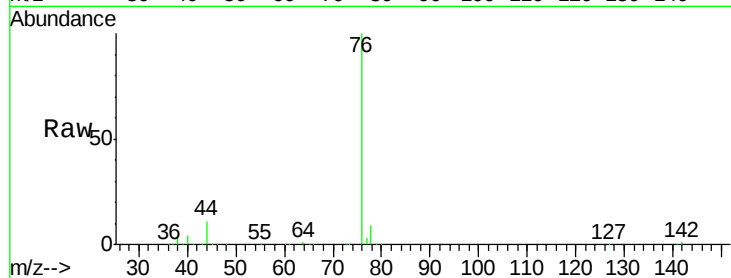
78 9.2 7.2 10.8

Manual Integrations

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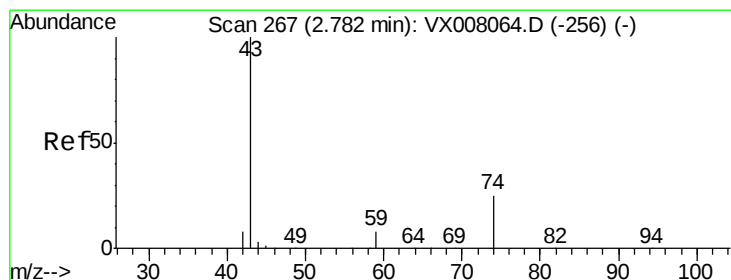
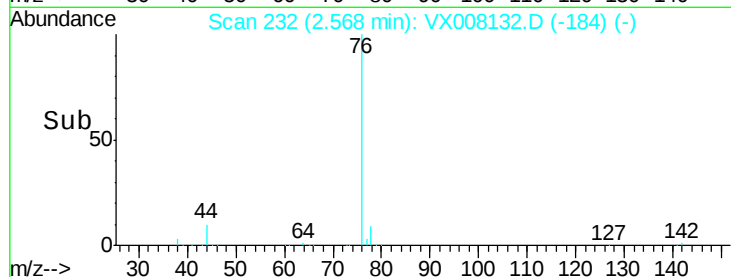
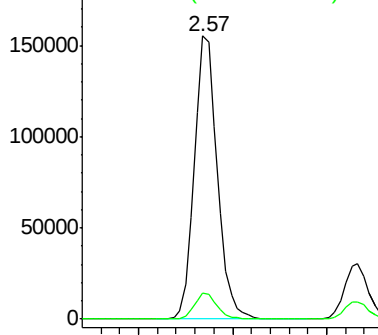
MMDadoda

3/16/2019 10:33:38 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 51.297 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX008132.D

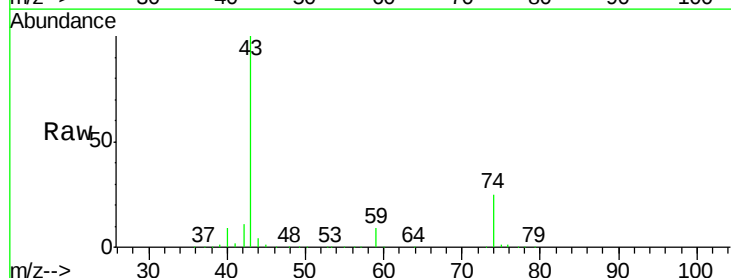
Acq: 16 Mar 2019 03:04

Tgt Ion: 43 Resp: 130098

Ion Ratio Lower Upper

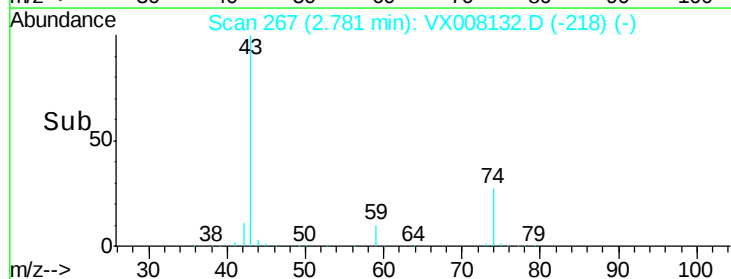
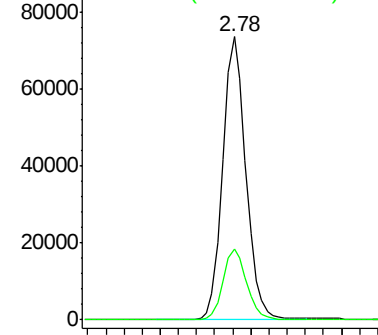
43 100

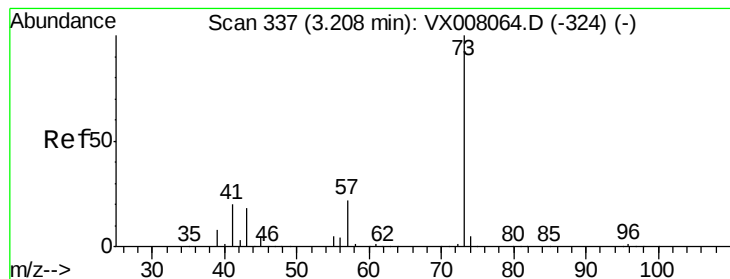
74 25.7 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

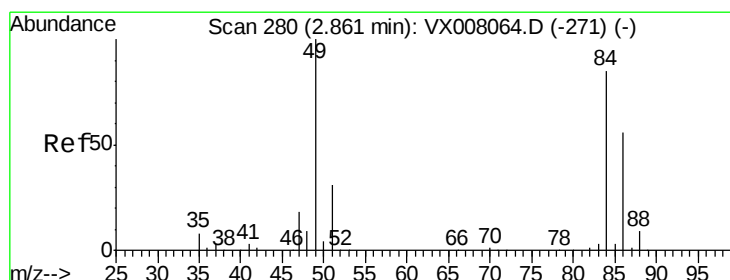
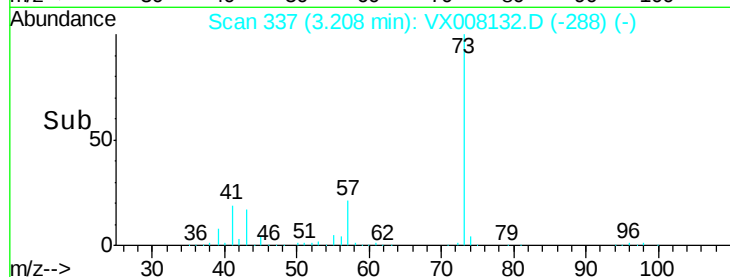
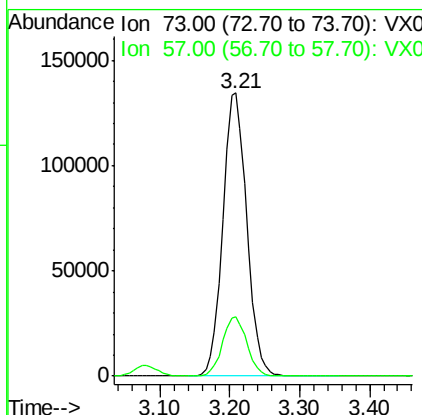
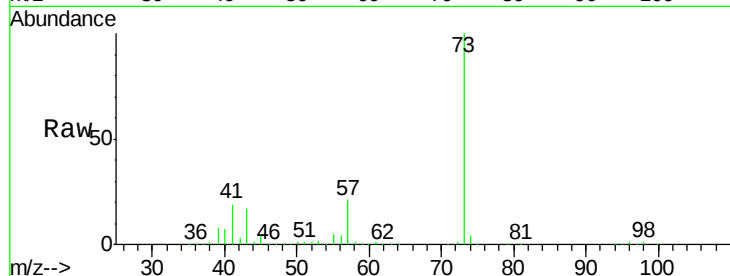
Methyl tert-butyl Ether
 Concen: 50.182 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. -0.00 min
 Lab File: VX008132.D
 Acq: 16 Mar 2019 03:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 73 Resp: 318741
 Ion Ratio Lower Upper
 73 100
 57 21.1 18.2 27.4

Manual Integrations
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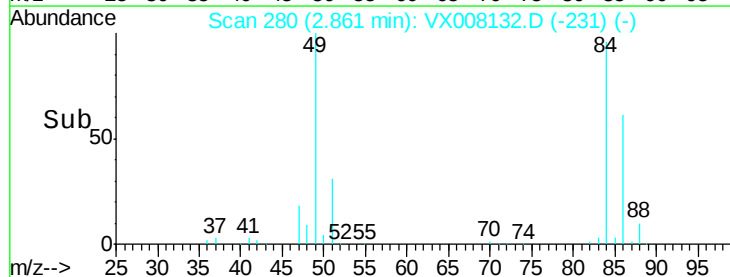
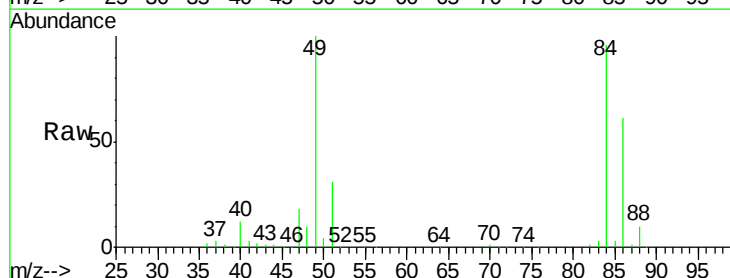
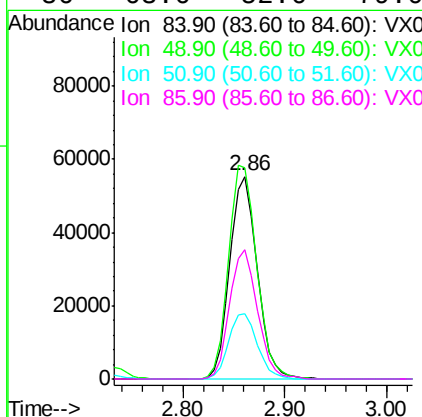
MMDadoda
 3/16/2019 10:33:38 AM

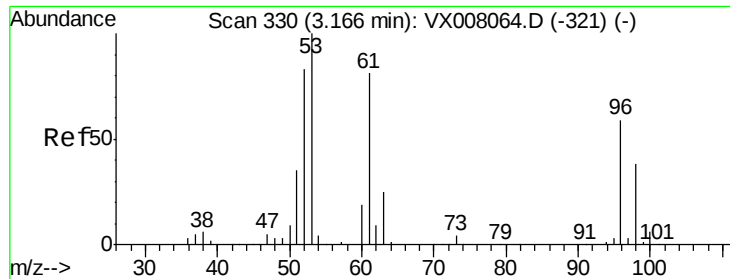


#20

Methylene Chloride
 Concen: 49.360 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. -0.00 min
 Lab File: VX008132.D
 Acq: 16 Mar 2019 03:04

Tgt Ion: 84 Resp: 103446
 Ion Ratio Lower Upper
 84 100
 49 104.4 99.3 148.9
 51 32.1 31.3 46.9
 86 63.6 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 49.897 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 100998

Ion Ratio Lower Upper

96 100

61 127.4 114.4 171.6

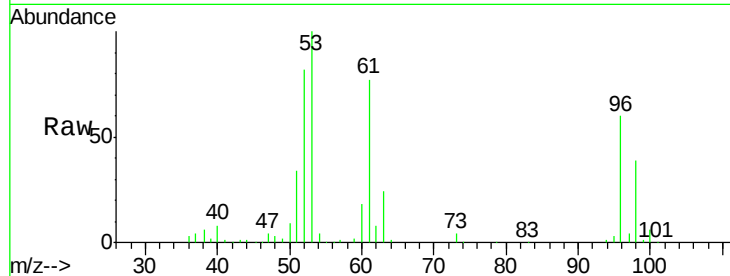
98 64.3 51.1 76.7

Manual Integrations

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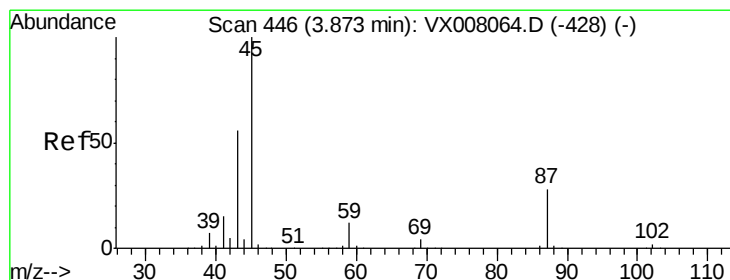
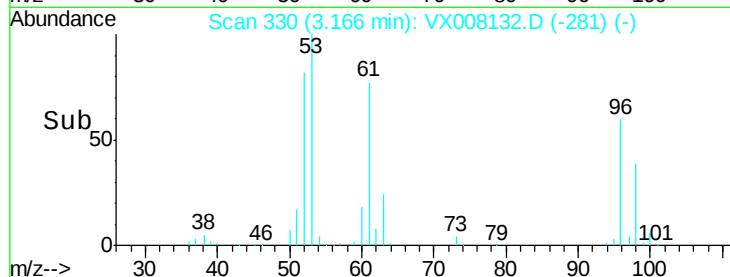
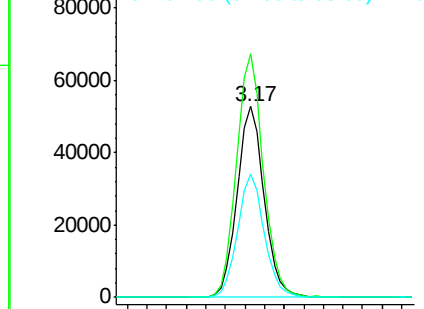
3/16/2019 10:33:38 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 47.332 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

Tgt Ion: 45 Resp: 321866

Ion Ratio Lower Upper

45 100

43 57.1 45.3 67.9

87 30.0 21.4 32.0

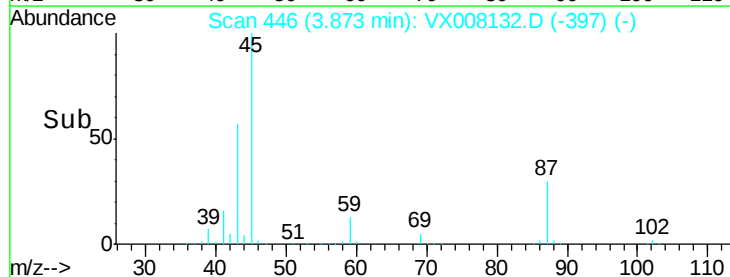
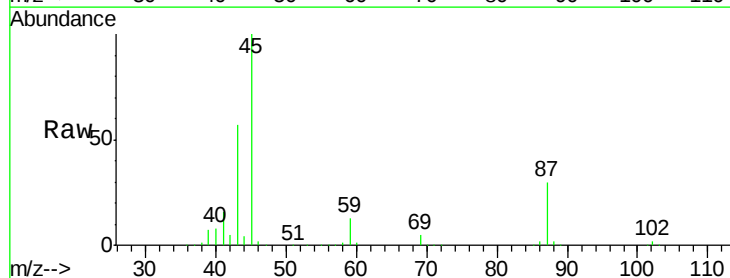
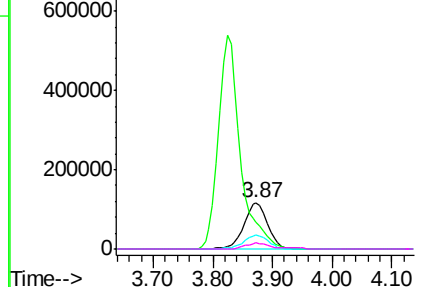
59 12.5 9.5 14.3

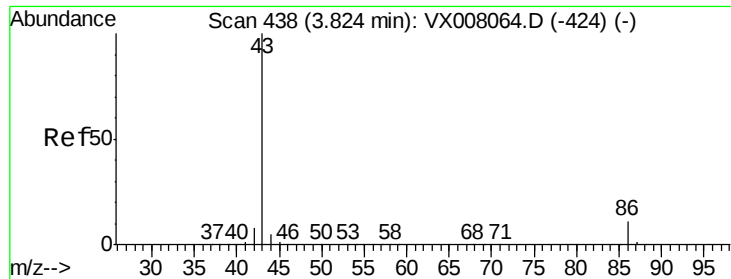
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 238.546 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

Tot Ion: 43 Resp: 1379603

Ion Ratio Lower Upper

43 100

86 11.3 7.9 11.9

Instrument :

MSVOA_X

ClientSampleId :

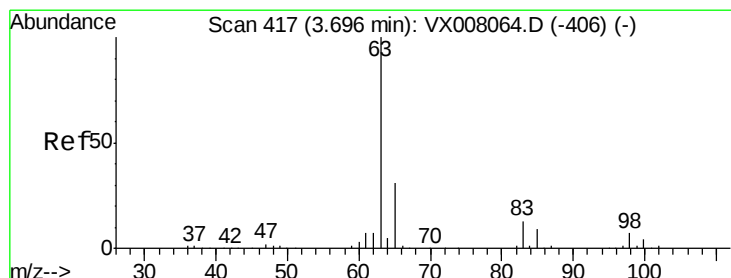
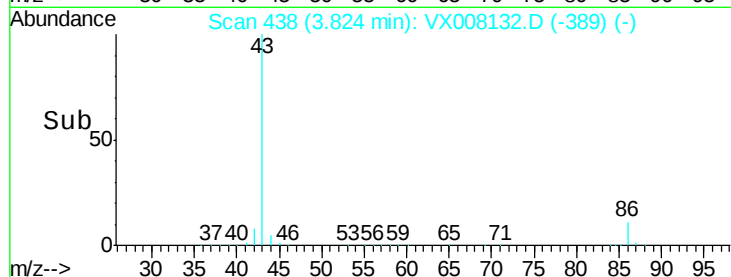
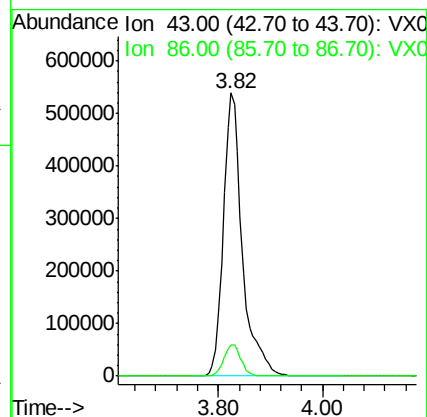
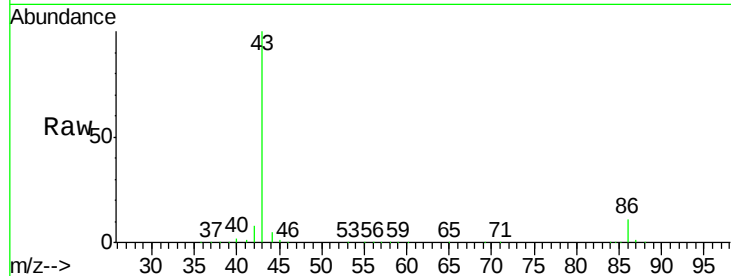
VSTDCCC050EC

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.025 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

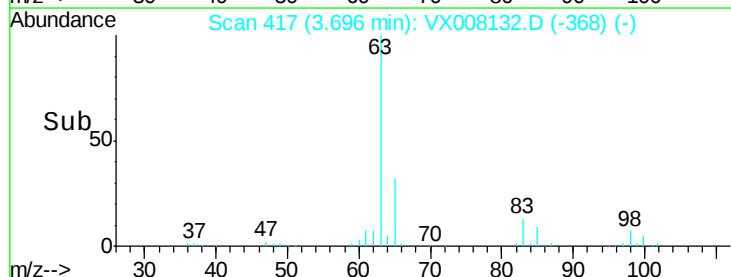
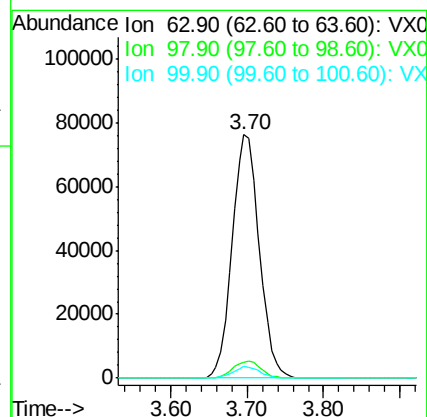
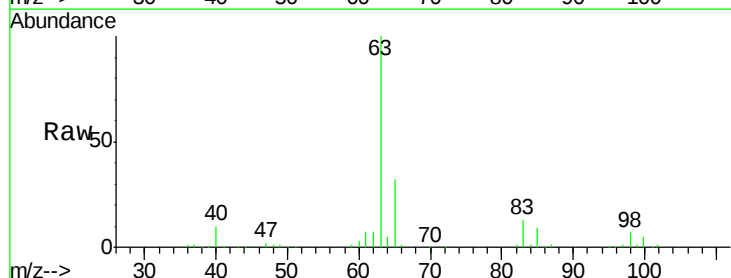
Tgt Ion: 63 Resp: 186477

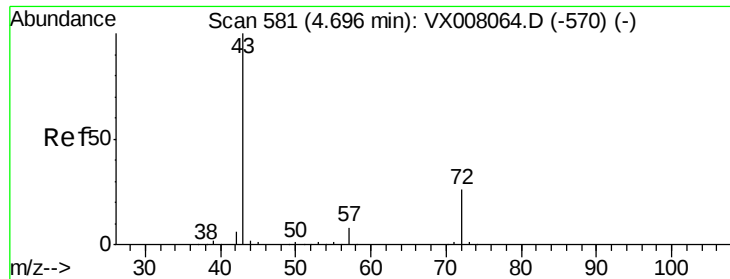
Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

100 4.8 2.3 6.8





#25

2-Butanone

Concen: 222.093 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 400019

Ion Ratio Lower Upper

43 100

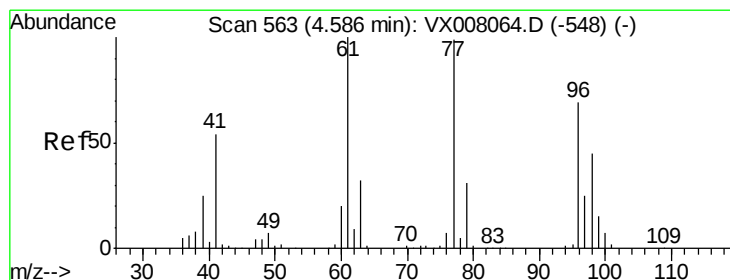
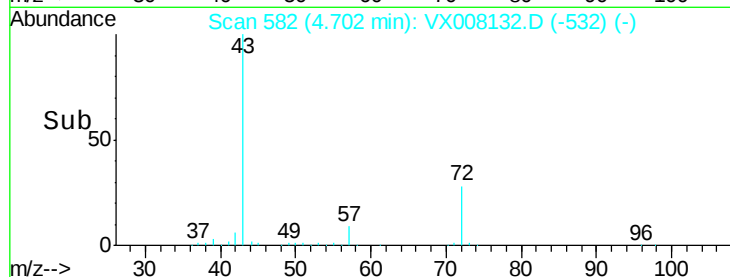
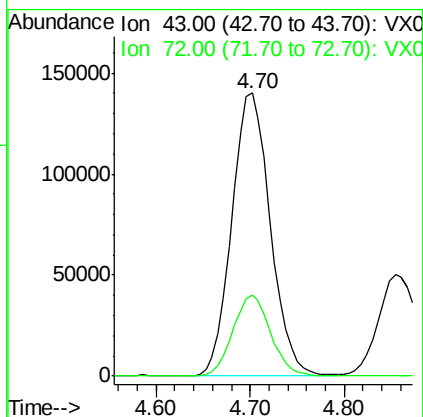
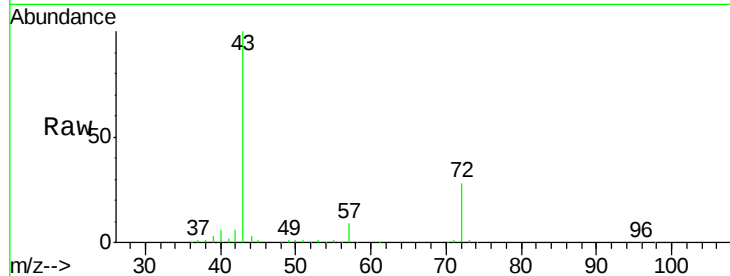
72 28.4 19.9 29.9

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 33.745 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008132.D

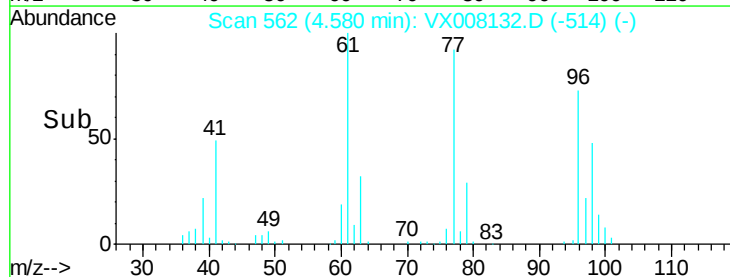
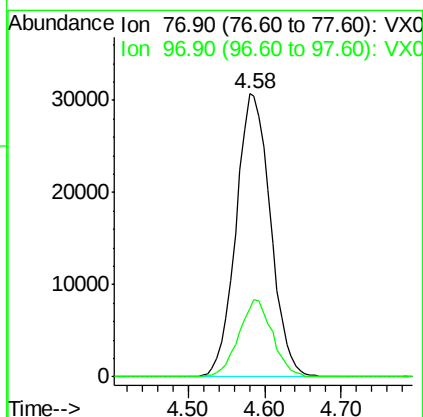
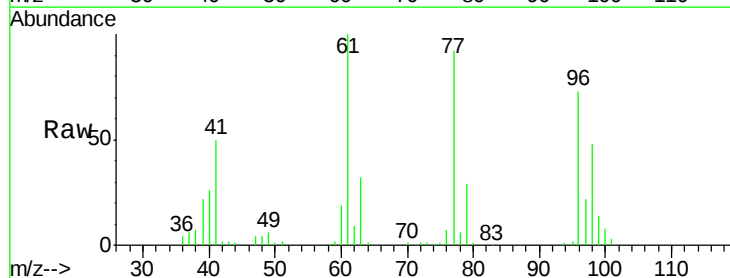
Acq: 16 Mar 2019 03:04

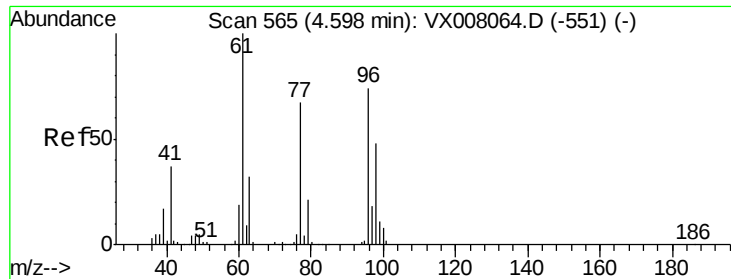
Tgt Ion: 77 Resp: 96100

Ion Ratio Lower Upper

77 100

97 26.6 12.2 36.6





#27

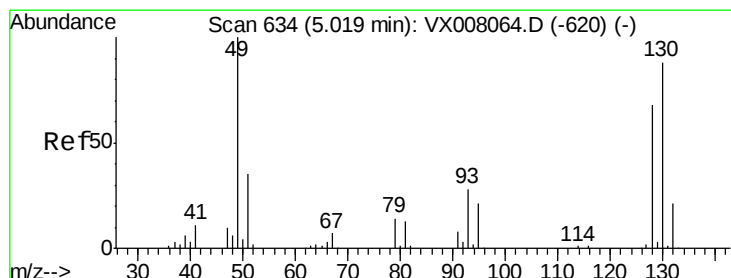
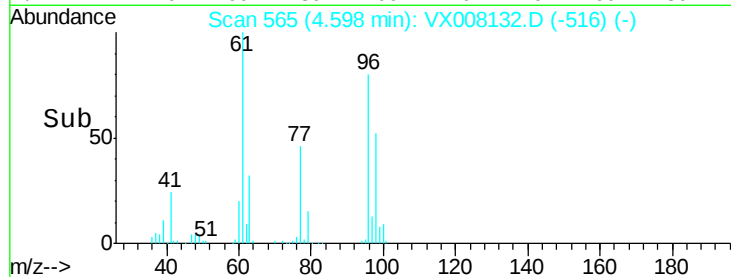
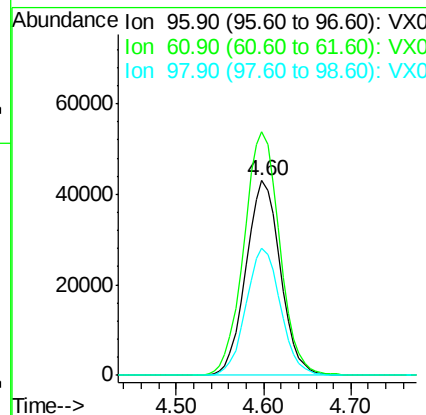
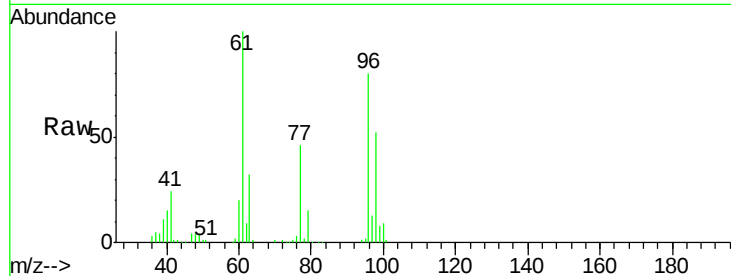
cis-1,2-Dichloroethene
 Concen: 49.048 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX008132.D
 Acq: 16 Mar 2019 03:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	129.7	0.0	288.0	
98	65.4	0.0	129.0	

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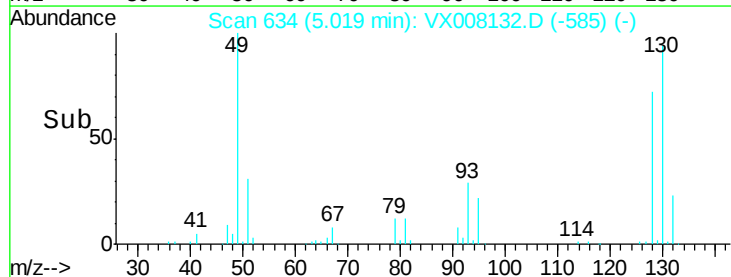
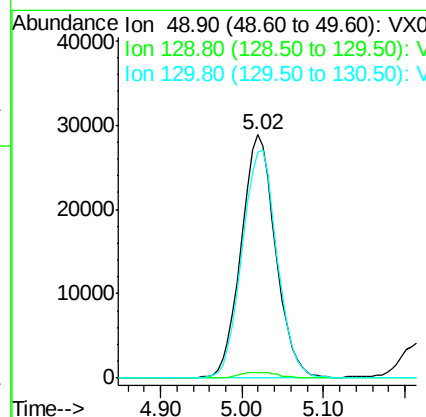
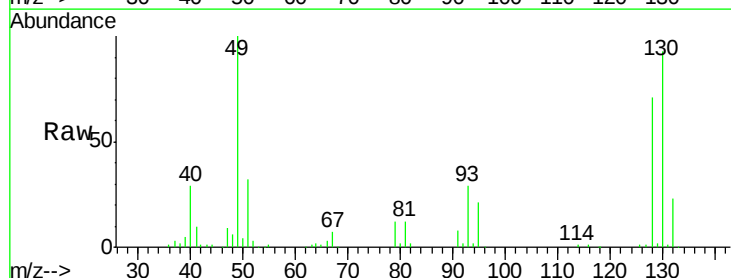
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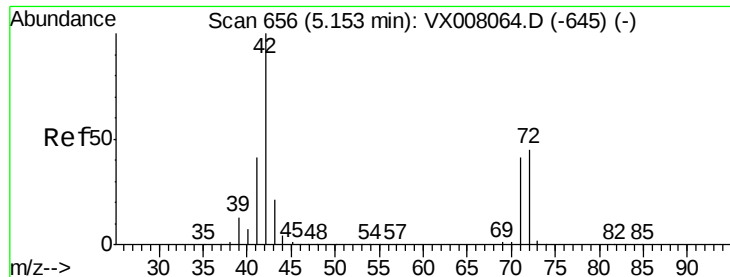


#28

Bromochloromethane
 Concen: 48.078 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX008132.D
 Acq: 16 Mar 2019 03:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.4	0.0	4.0	
130	95.8	65.0	97.4	





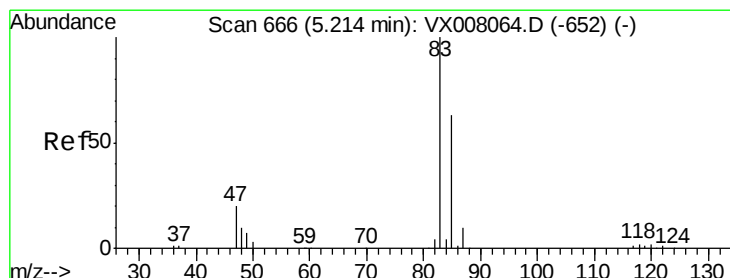
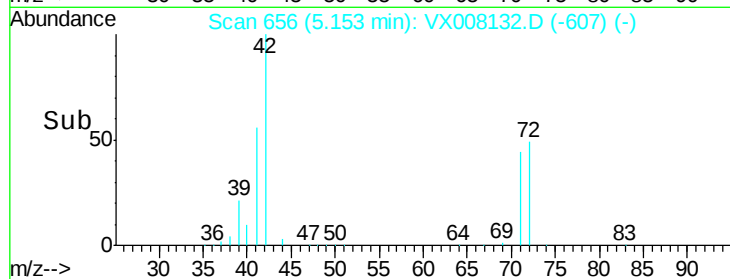
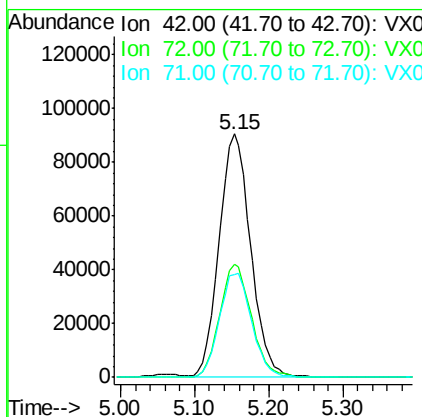
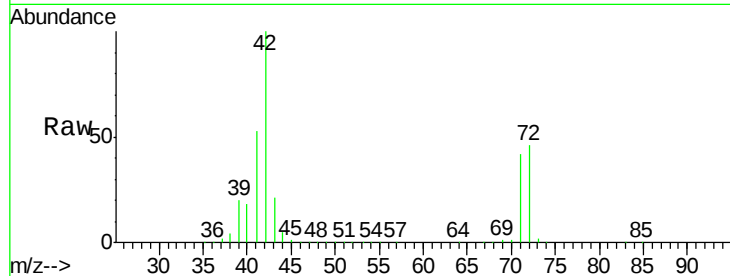
#29
Tetrahydrofuran
Concen: 237.502 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX008132.D
Acq: 16 Mar 2019 03:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.9	33.8	50.6
71	43.8	31.5	47.3

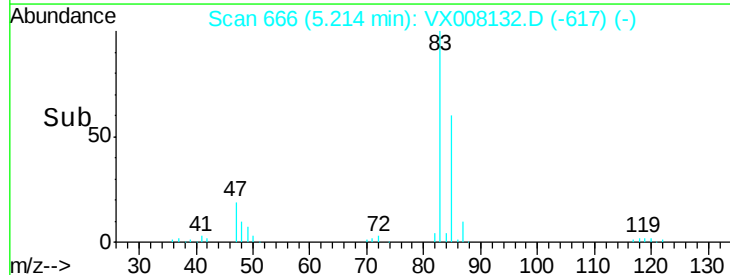
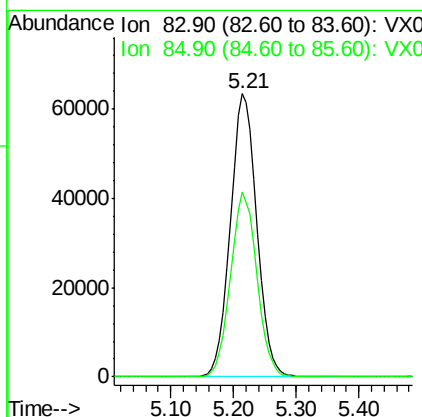
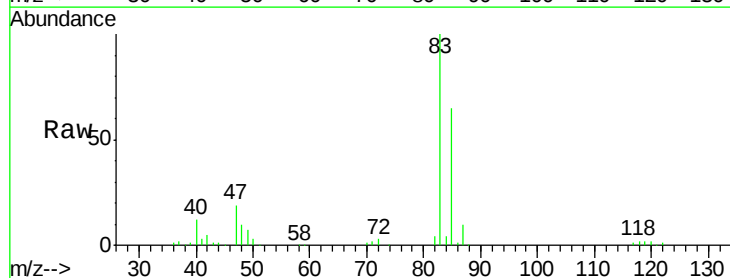
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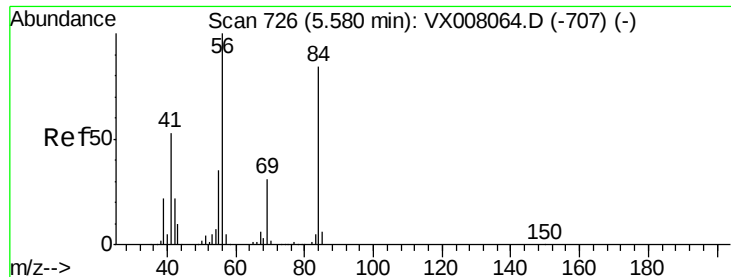
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#30
Chloroform
Concen: 48.926 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX008132.D
Acq: 16 Mar 2019 03:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.8	77.6





#31

Cyclohexane

Concen: 46.125 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

Instrument :

MSVOA_X

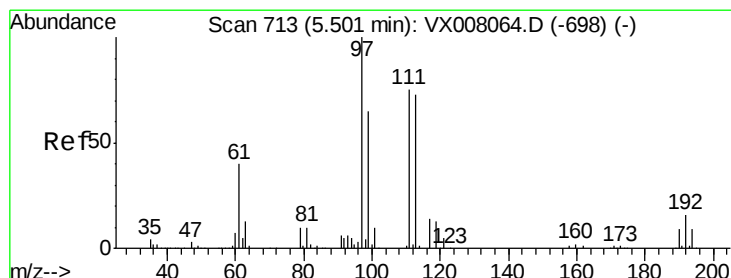
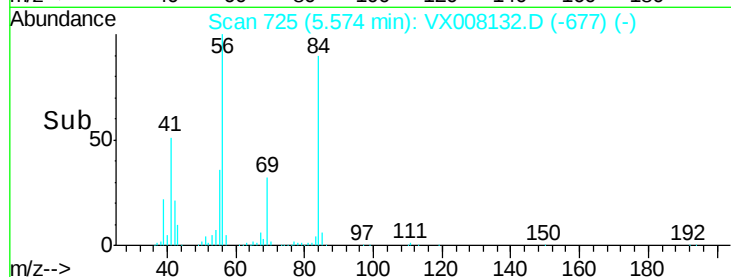
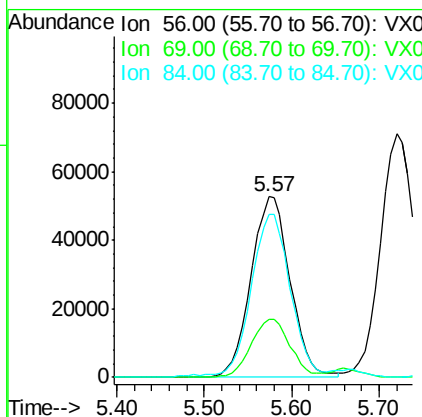
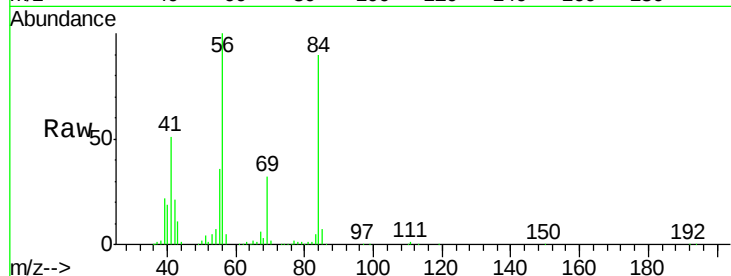
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	163924
Ion	Ratio	Lower	Upper
56	100		
69	32.2	24.0	36.0
84	88.7	65.3	97.9

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#32

1,1,1-Trichloroethane

Concen: 50.383 ug/l

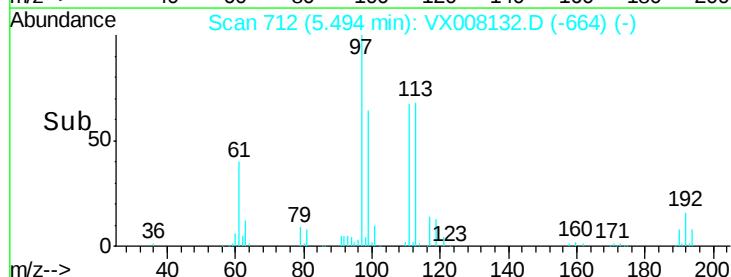
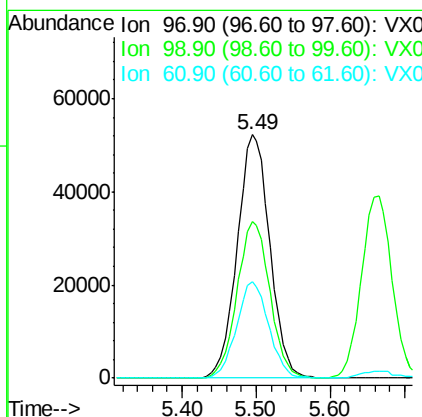
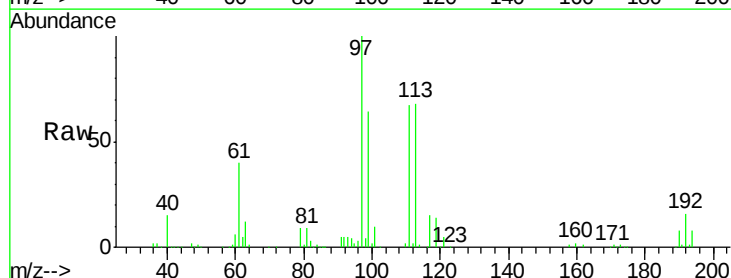
RT: 5.49 min Scan# 712

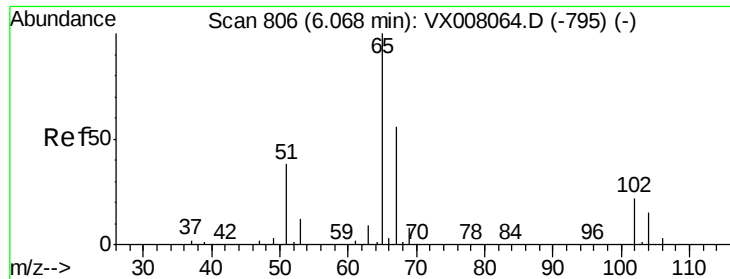
Delta R.T. -0.01 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

Tgt Ion:	97	Resp:	160244
Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.2	78.2
61	39.3	34.9	52.3





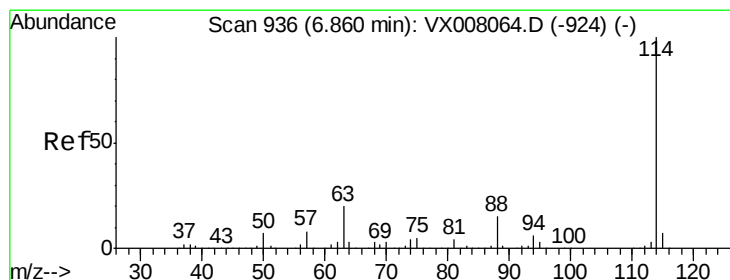
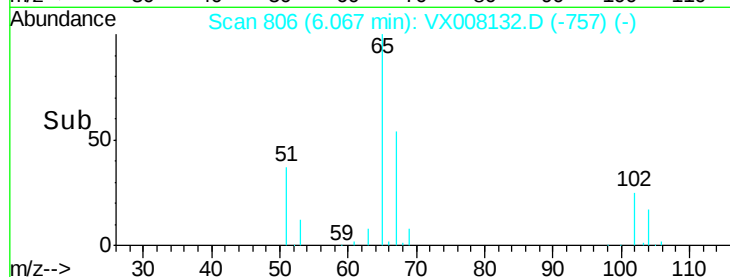
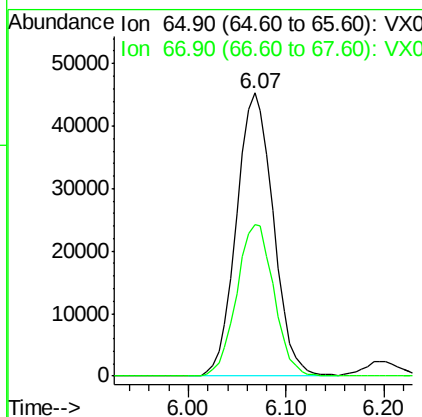
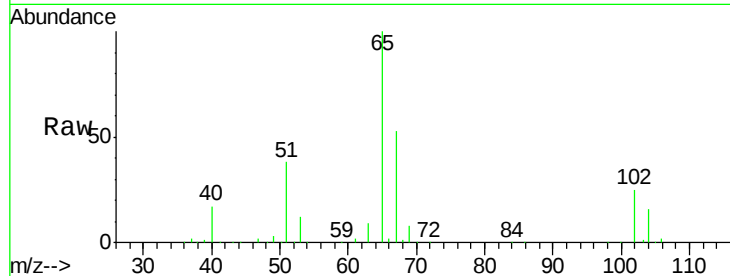
#33
 1,2-Dichloroethane-d4
 Concen: 47.791 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX008132.D
 Acq: 16 Mar 2019 03:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 118786
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 110.0

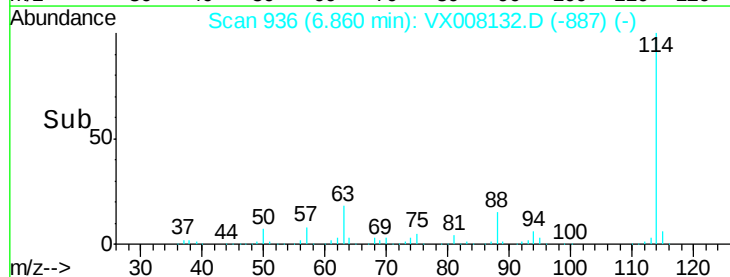
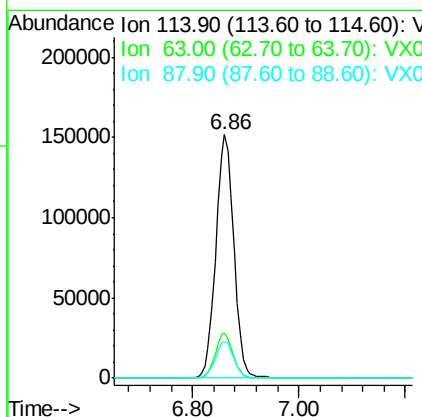
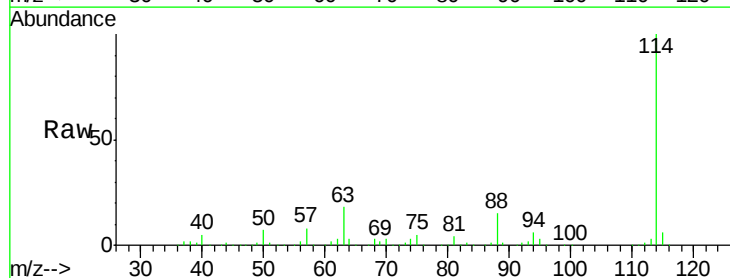
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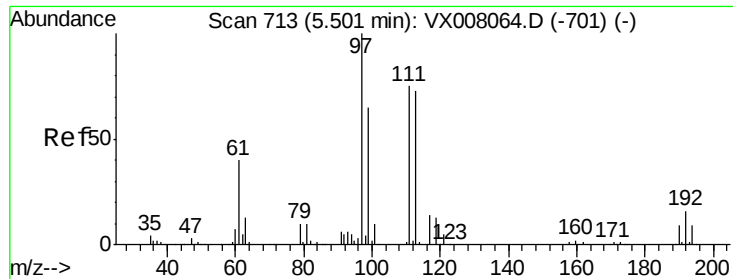
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008132.D
 Acq: 16 Mar 2019 03:04

Tgt Ion: 114 Resp: 357494
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 39.8
 88 15.1 0.0 31.4





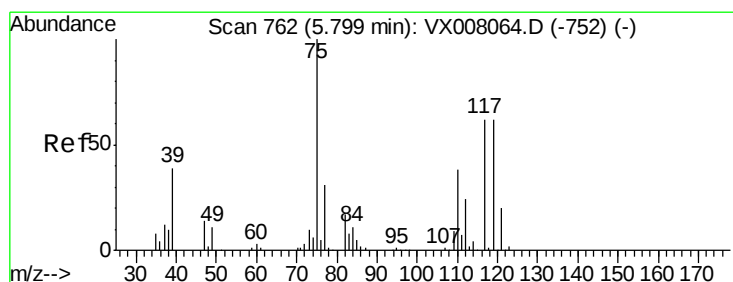
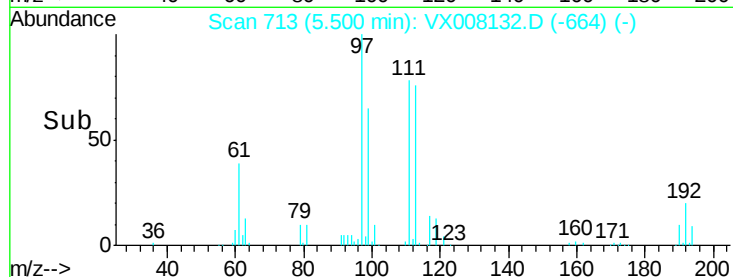
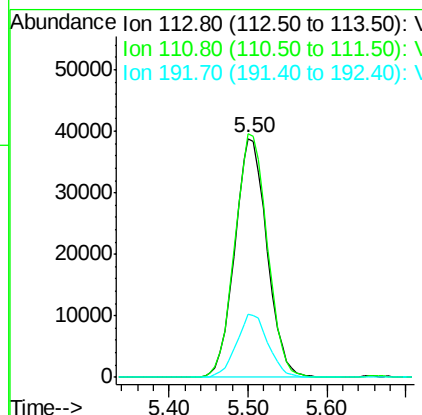
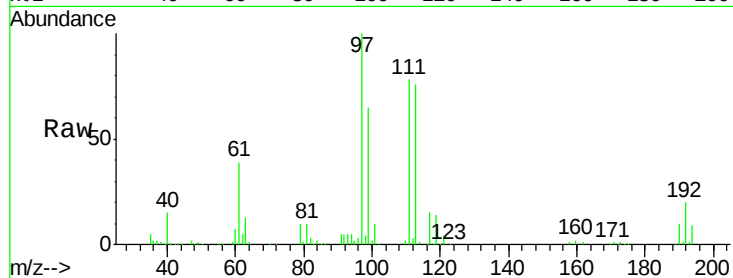
#35
 Dibromofluoromethane
 Concen: 48.611 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008132.D
 Acq: 16 Mar 2019 03:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.4	122.0
192	25.8	19.4	29.0

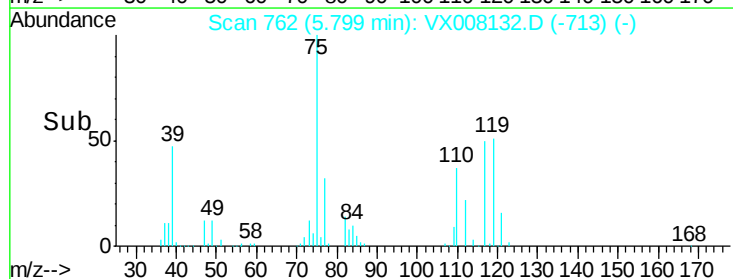
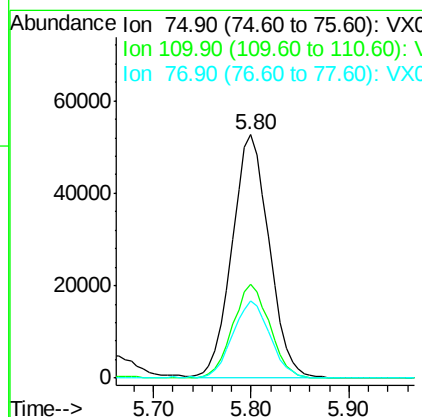
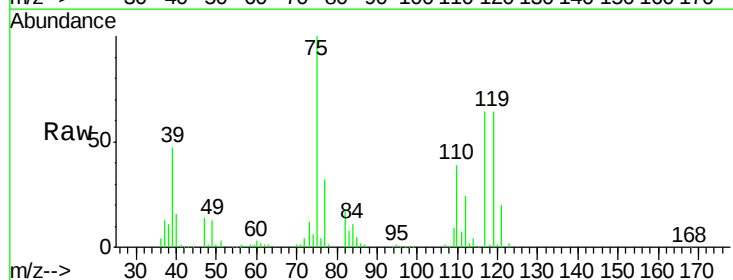
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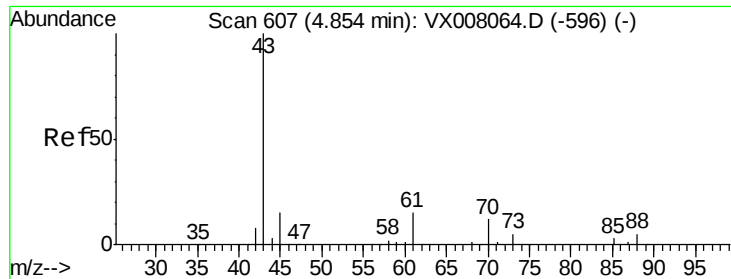
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#36
 1,1-Dichloropropene
 Concen: 46.798 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX008132.D
 Acq: 16 Mar 2019 03:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.8	18.4	55.0
77	32.3	25.0	37.4





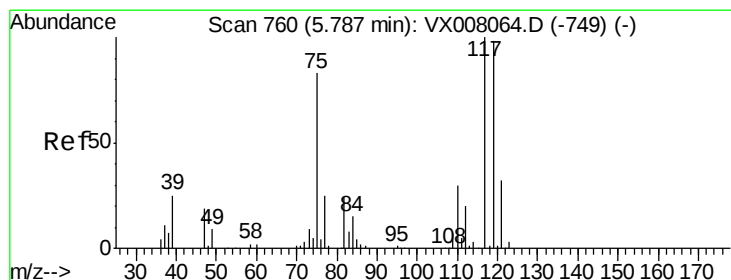
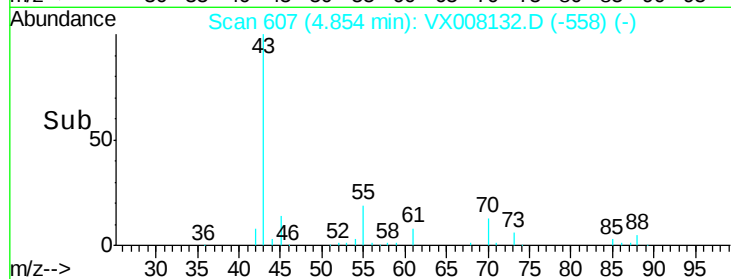
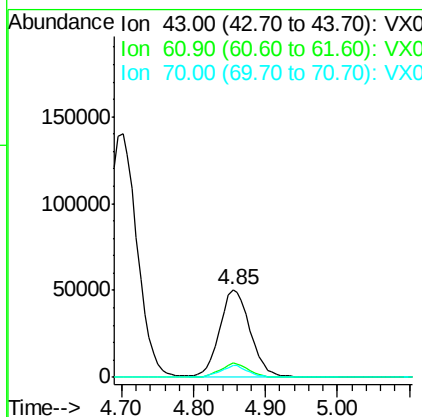
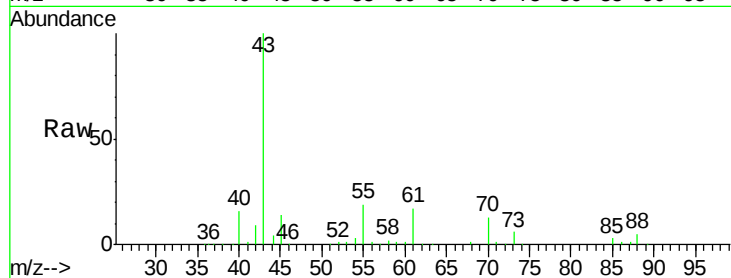
#37
Ethyl Acetate
Concen: 46.946 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX008132.D
Acq: 16 Mar 2019 03:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.3	16.9
70	12.2	8.5	12.7

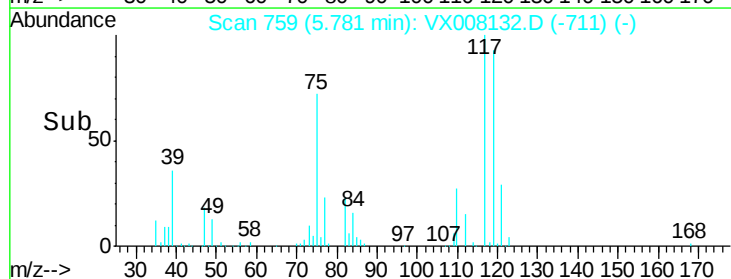
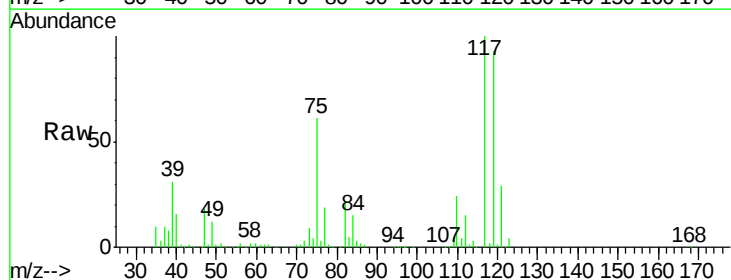
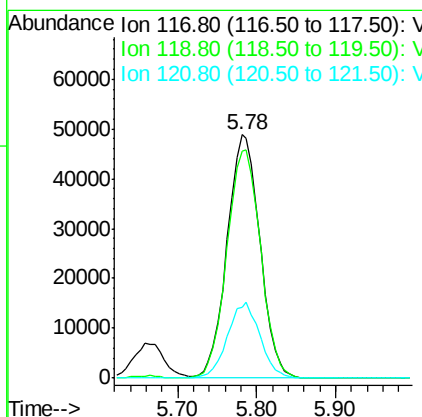
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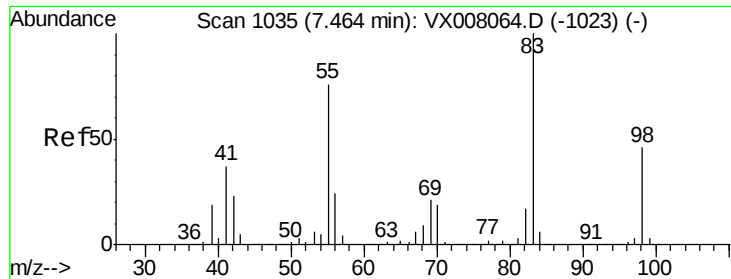
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#38
Carbon Tetrachloride
Concen: 49.950 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008132.D
Acq: 16 Mar 2019 03:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	76.2	114.2
121	29.1	24.6	36.8





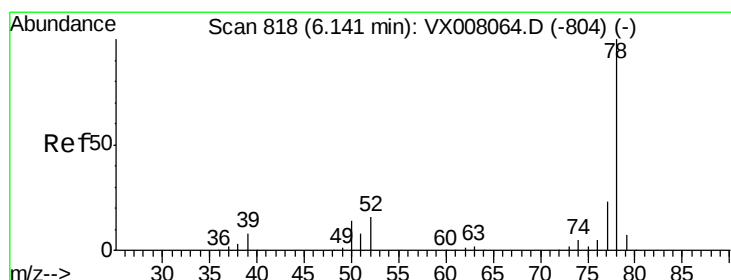
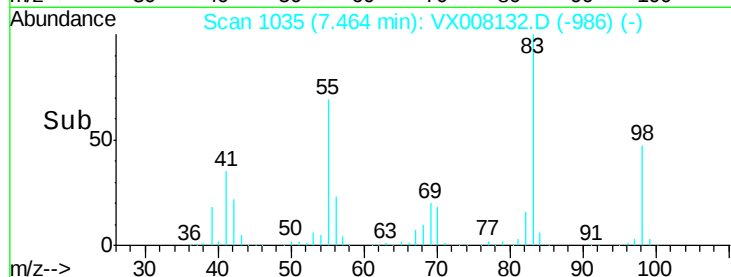
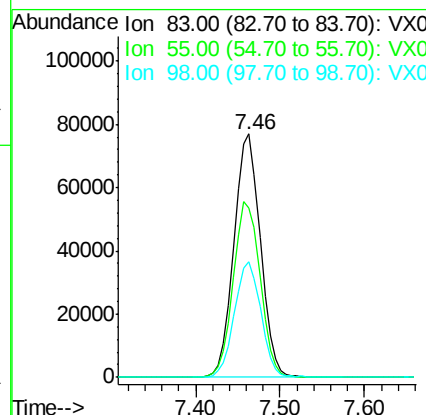
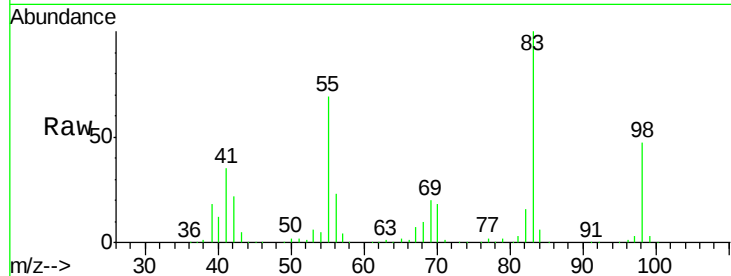
#39
Methvlcvclohexane
Concen: 43.583 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008132.D
Acq: 16 Mar 2019 03:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	163841
Ion	Ratio	Lower	Upper
83	100		
55	69.4	60.4	90.6
98	47.4	36.5	54.7

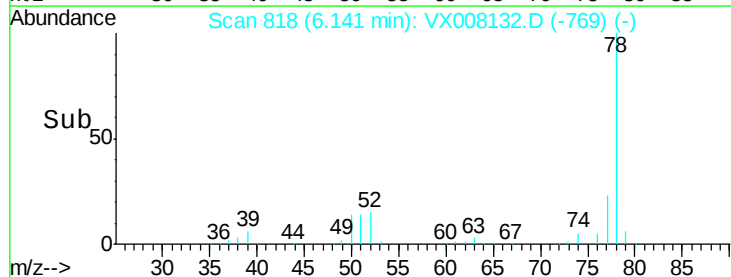
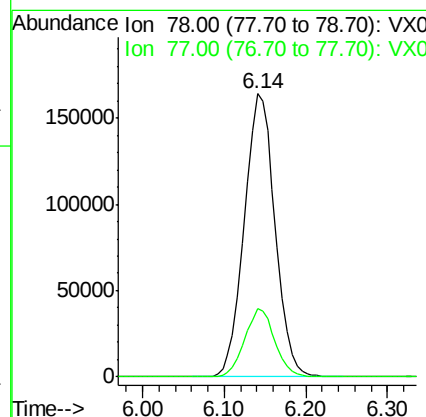
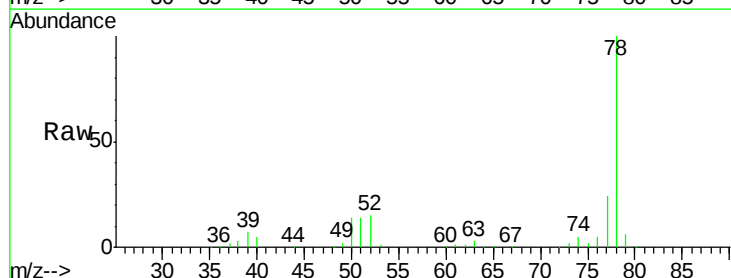
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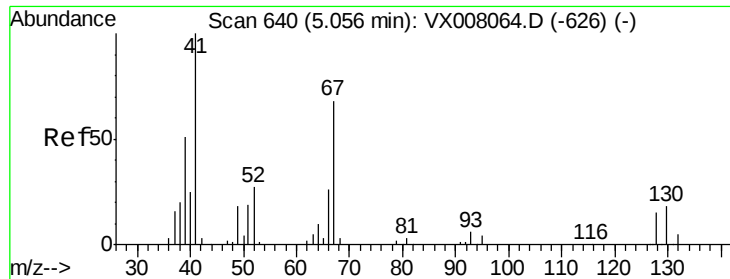
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#40
Benzene
Concen: 47.602 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008132.D
Acq: 16 Mar 2019 03:04

Tgt Ion	78	Resp	428888
Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.4





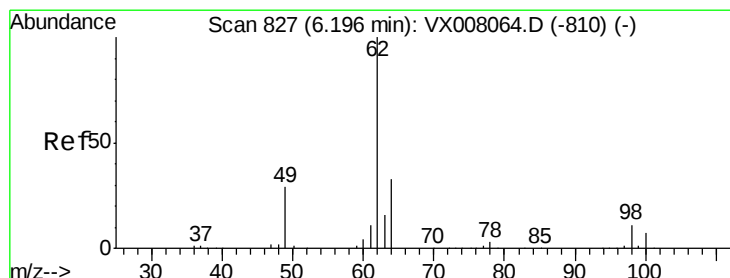
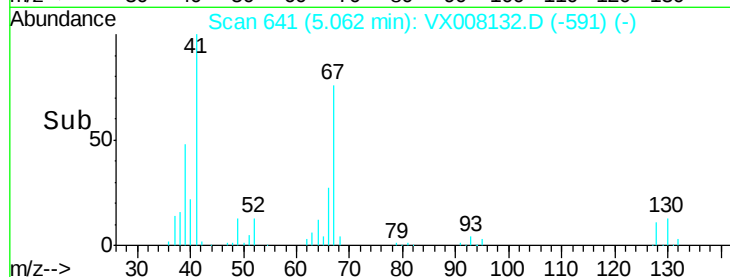
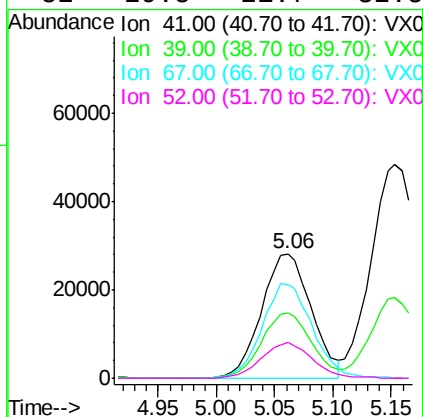
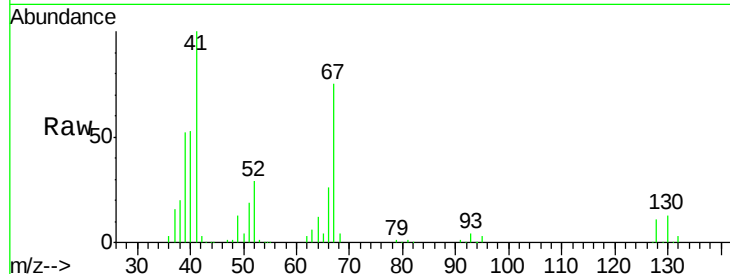
#41
Methacrylonitrile
Concen: 45.374 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX008132.D
Acq: 16 Mar 2019 03:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.5	41.6	62.4	
67	76.6	55.8	83.6	
52	29.5	21.7	32.5	

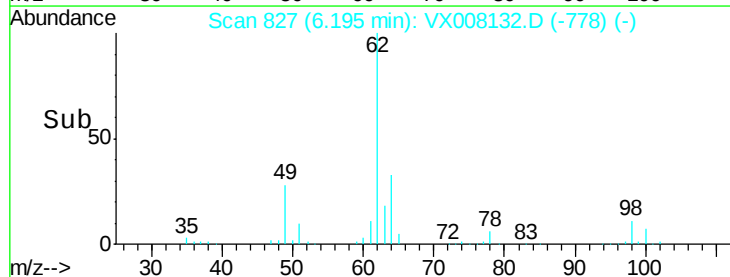
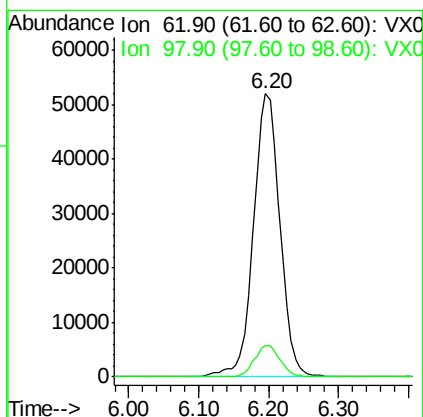
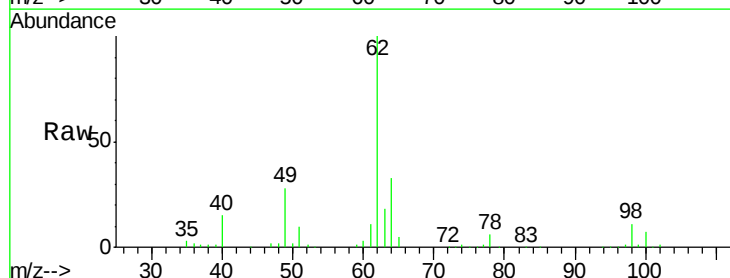
Manual Integrations
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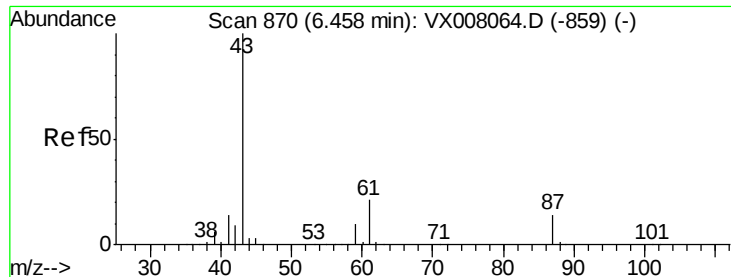
MMDadoda
3/16/2019 10:33:38 AM



#42
1,2-Dichloroethane
Concen: 47.409 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX008132.D
Acq: 16 Mar 2019 03:04

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.9	0.0	20.4	





#43

Isopropyl Acetate

Concen: 45.982 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

Instrument :

MSVOA_X

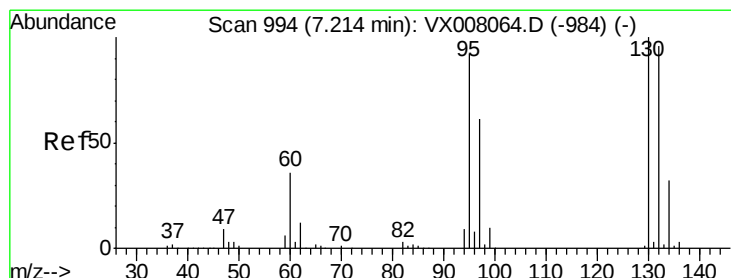
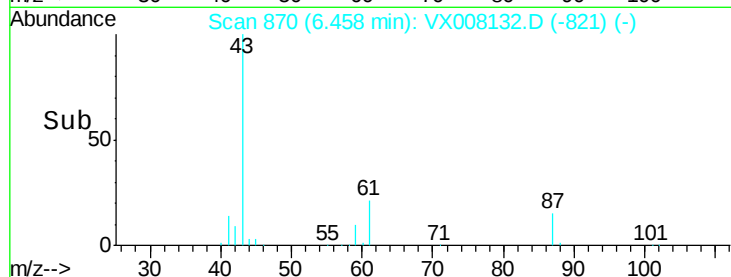
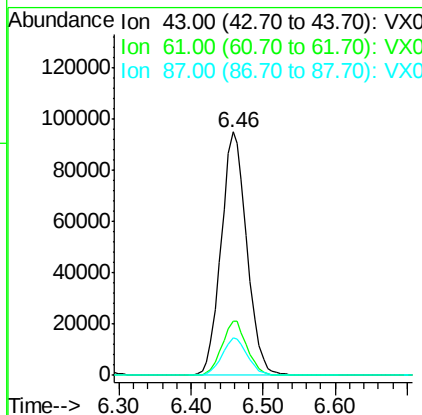
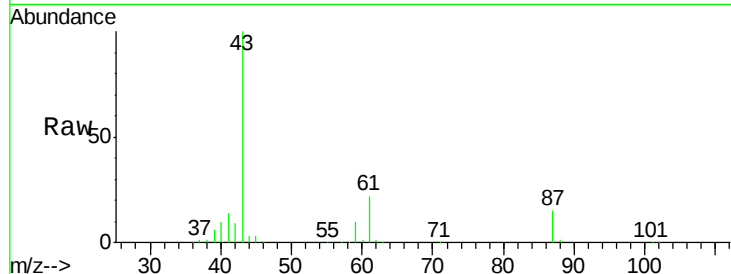
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	234068
Ion	Ratio	Lower	Upper
43	100		
61	21.7	16.3	24.5
87	15.0	10.5	15.7

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#44

Trichloroethene

Concen: 47.908 ug/l

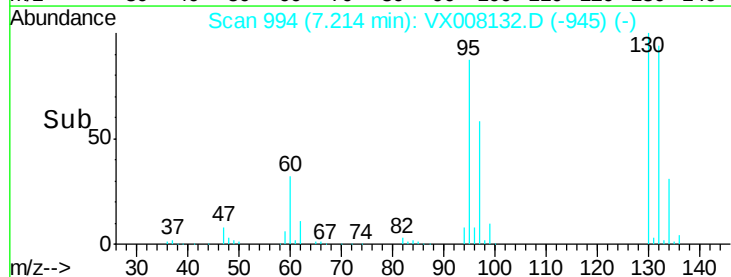
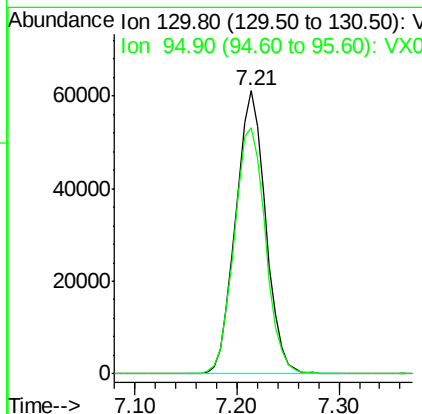
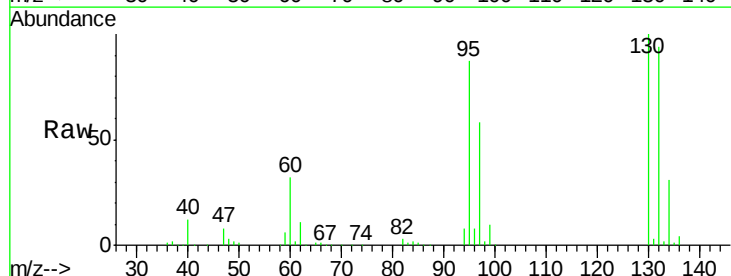
RT: 7.21 min Scan# 994

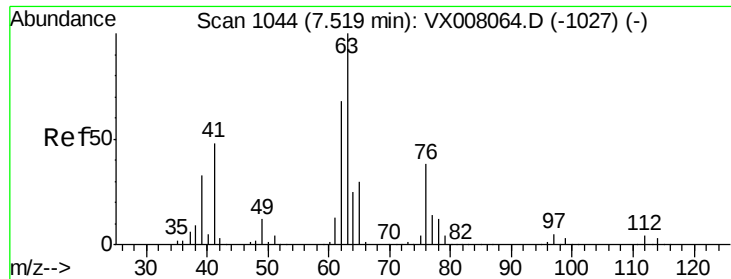
Delta R.T. -0.00 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

Tgt Ion:	130	Resp:	124571
Ion	Ratio	Lower	Upper
130	100		
95	86.8	0.0	188.0





#45

1,2-Dichloropropane

Concen: 46.092 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 109558

Ion Ratio Lower Upper

63 100

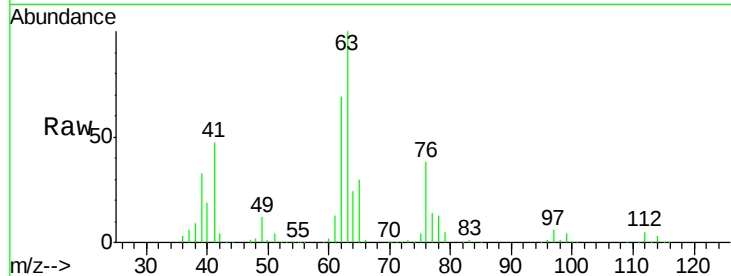
65 29.7 24.7 37.1

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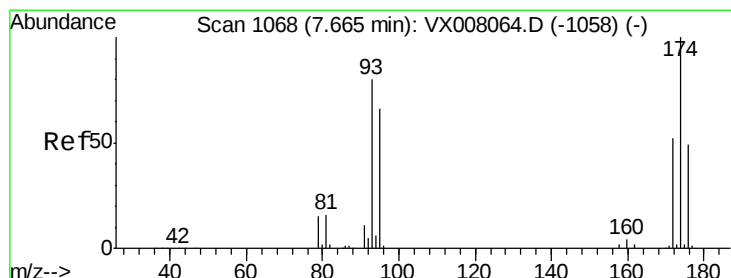
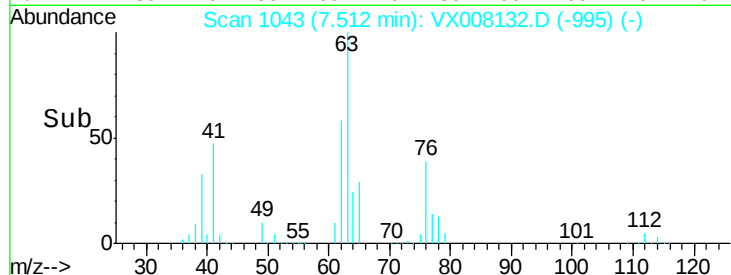
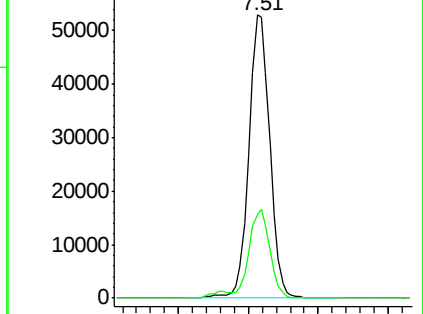
MMDadoda

3/16/2019 10:33:38 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 49.164 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

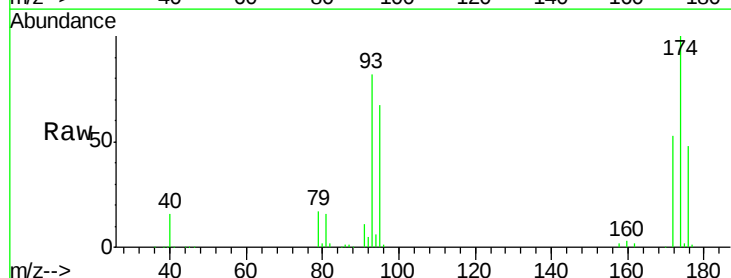
Tgt Ion: 93 Resp: 73244

Ion Ratio Lower Upper

93 100

95 82.2 66.8 100.2

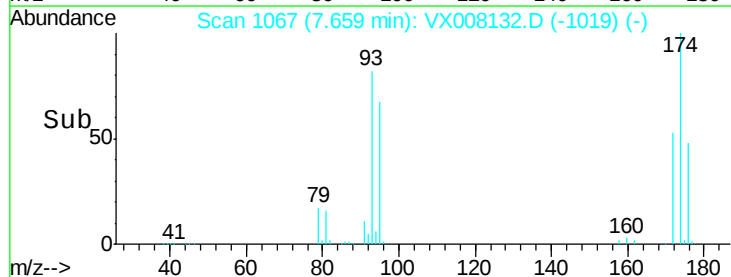
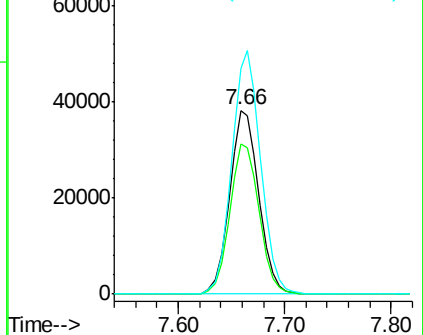
174 131.6 97.3 145.9

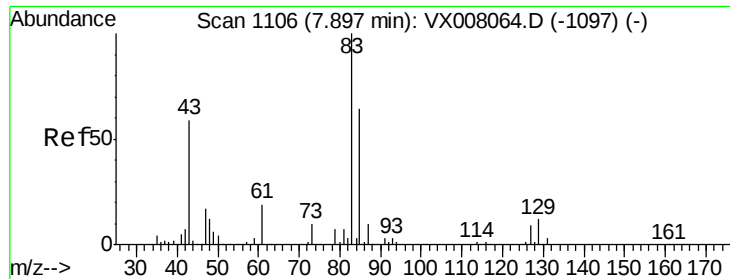


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 48.046 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

Instrument :

MSVOA_X

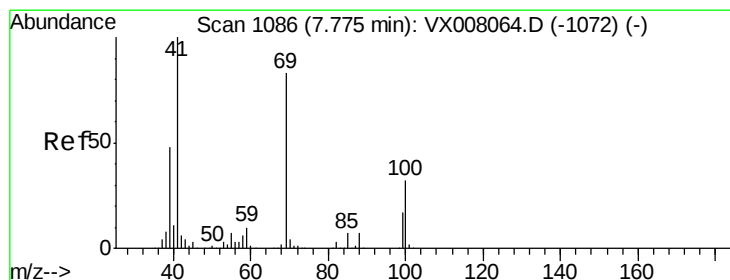
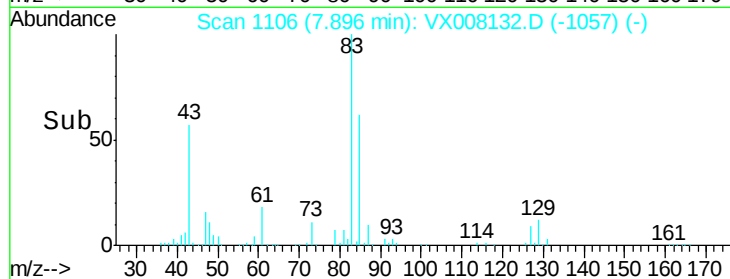
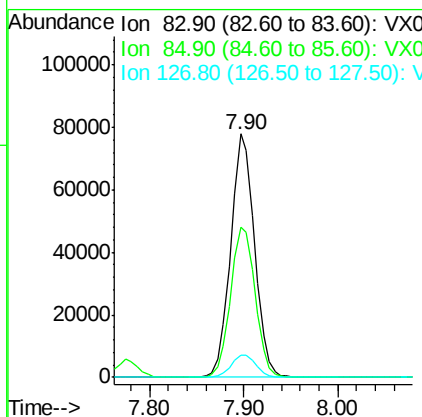
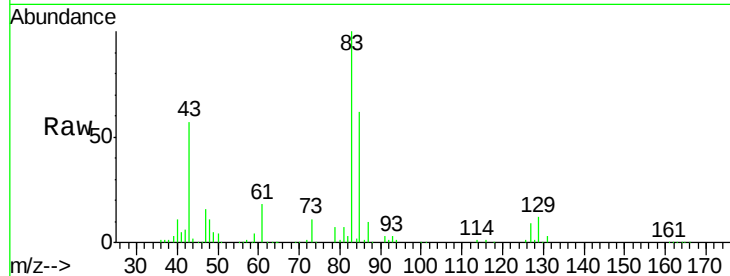
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	136129
Ion Ratio	Lower	Upper	
83	100		
85	61.5	50.9	76.3
127	9.3	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 46.156 ug/l

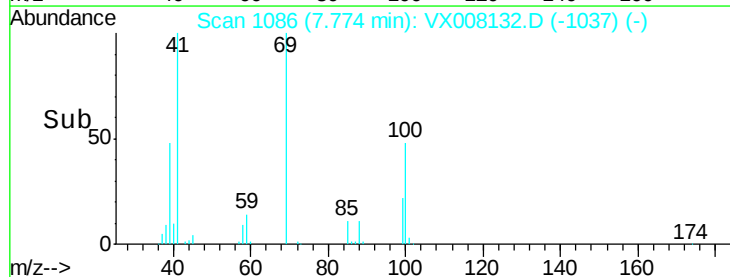
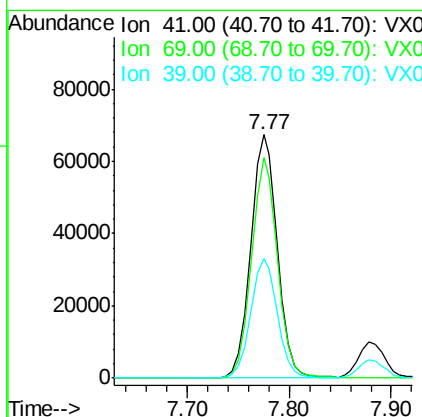
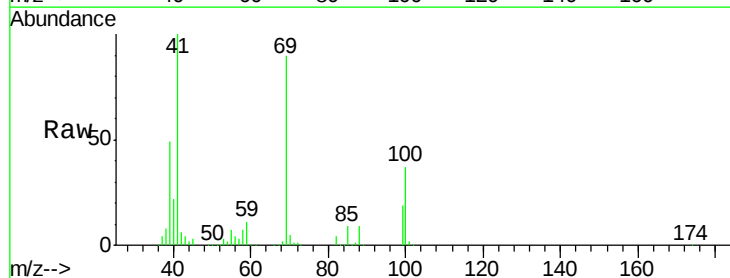
RT: 7.77 min Scan# 1086

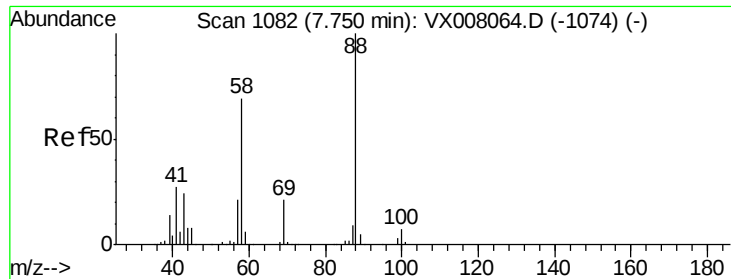
Delta R.T. -0.00 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

Tgt Ion:	41	Resp:	122710
Ion Ratio	Lower	Upper	
41	100		
69	88.9	65.2	97.8
39	49.4	39.4	59.2





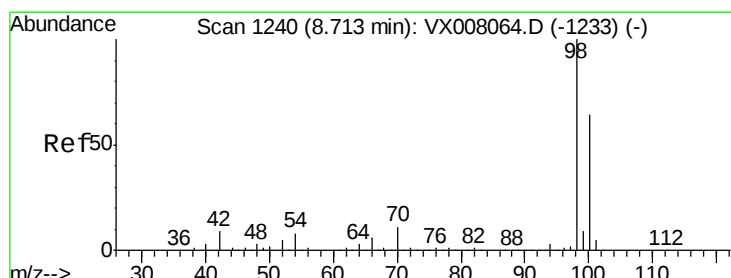
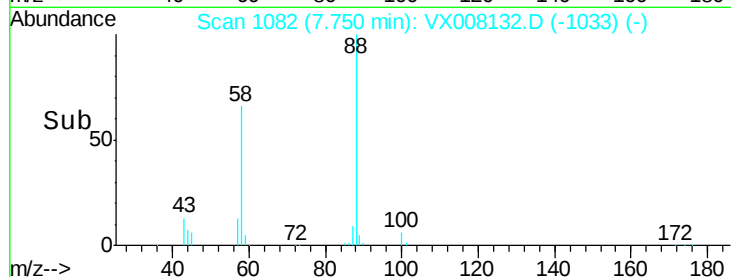
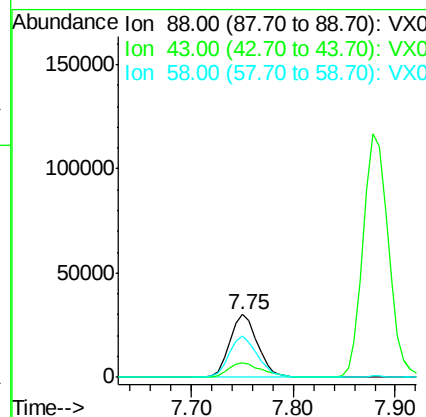
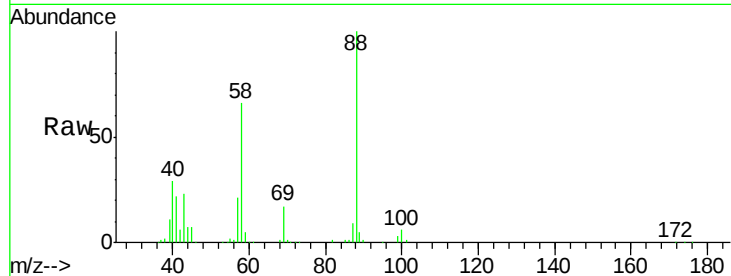
#49
1,4-Dioxane
Concen: 991.177 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VX008132.D
Acq: 16 Mar 2019 03:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.6	25.1	37.7
58	67.4	57.8	86.6

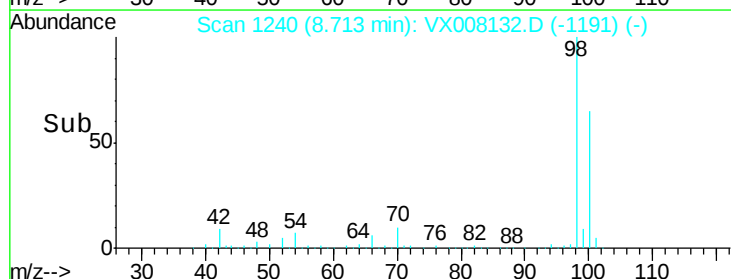
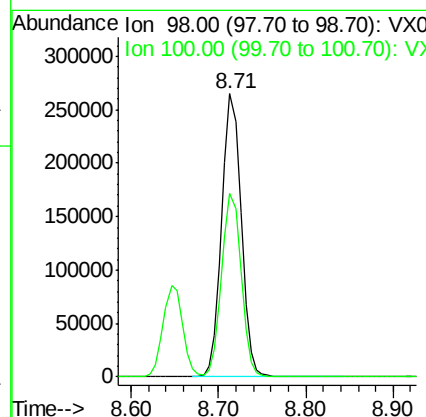
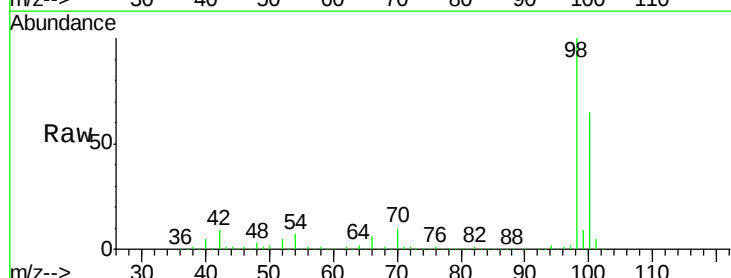
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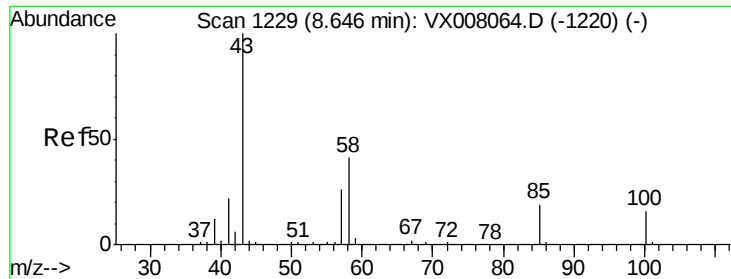
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#50
Toluene-d8
Concen: 47.390 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008132.D
Acq: 16 Mar 2019 03:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 223.624 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 750247

Ion Ratio Lower Upper

43 100

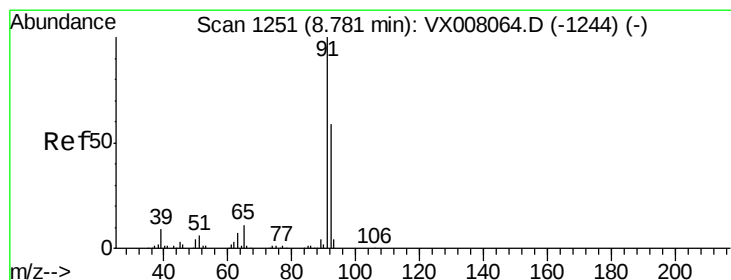
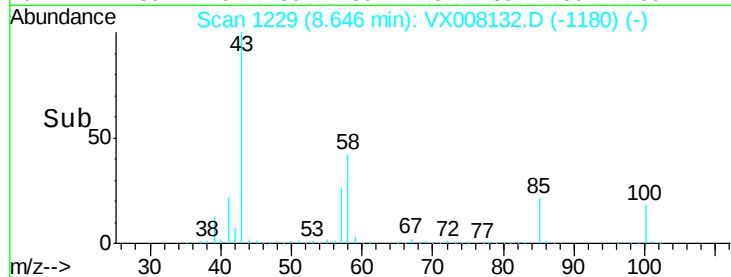
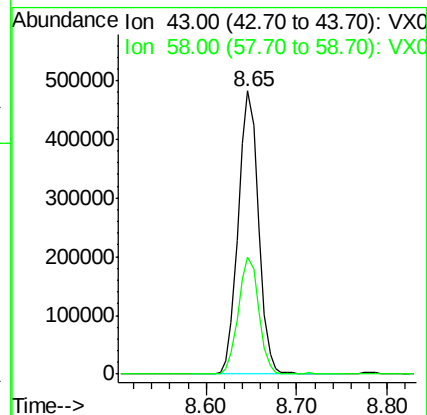
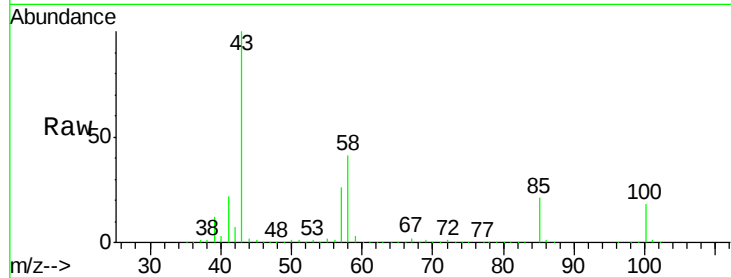
58 41.5 31.3 46.9

Manual Integrations

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#52

Toluene

Concen: 47.525 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX008132.D

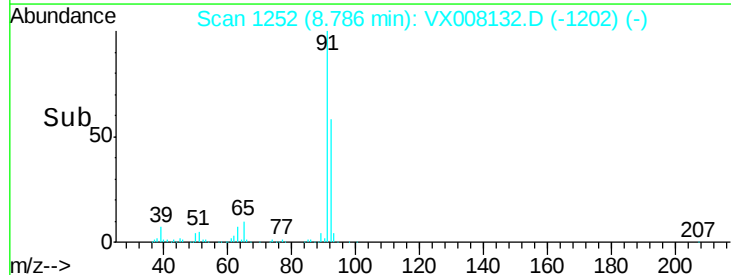
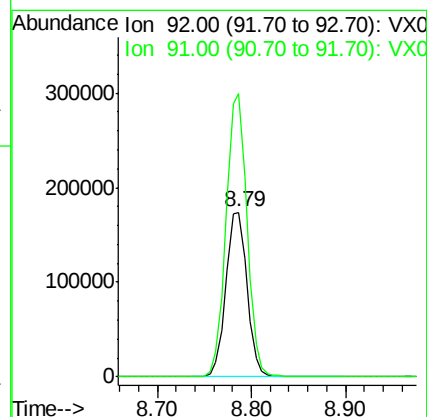
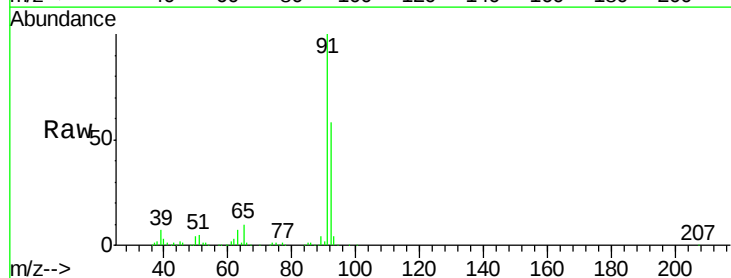
Acq: 16 Mar 2019 03:04

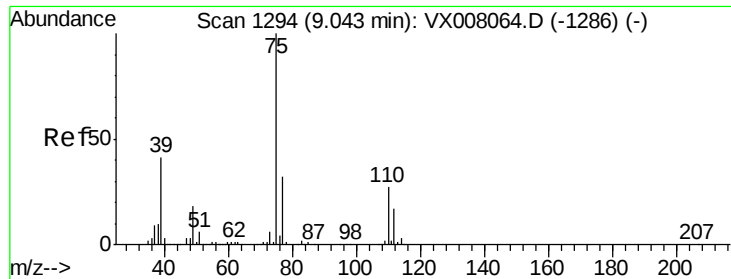
Tgt Ion: 92 Resp: 272179

Ion Ratio Lower Upper

92 100

91 170.0 137.4 206.0





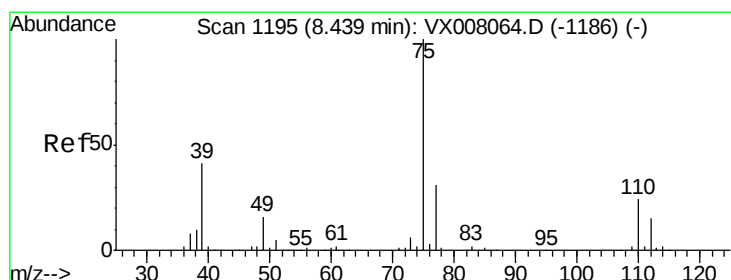
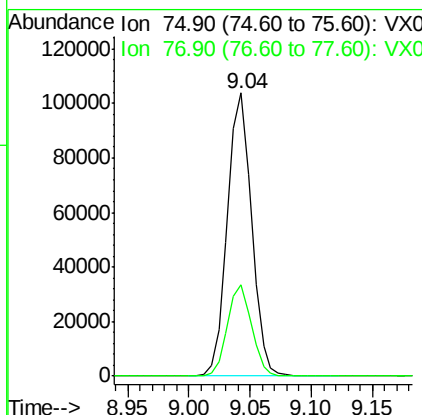
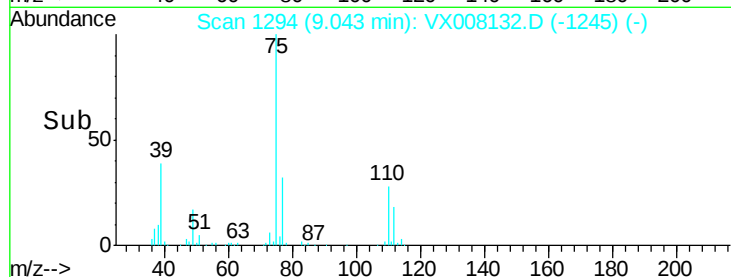
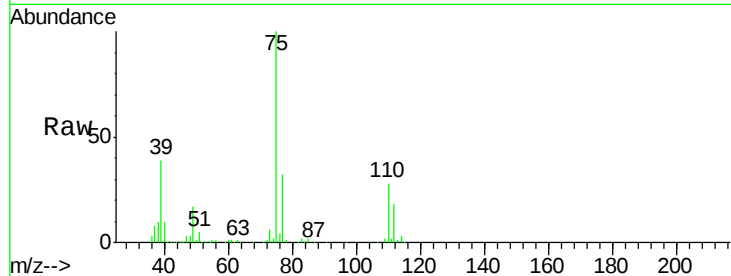
#53
t-1,3-Dichloropropene
Concen: 45.809 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX008132.D
Acq: 16 Mar 2019 03:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 142281
Ion Ratio Lower Upper
75 100
77 32.3 25.4 38.0

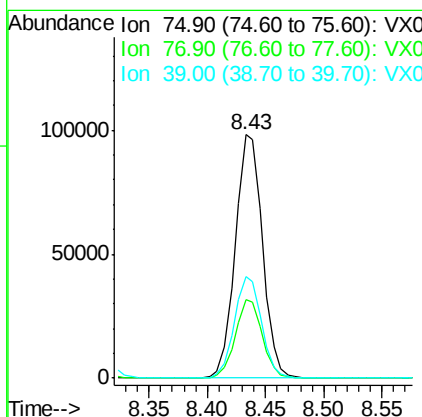
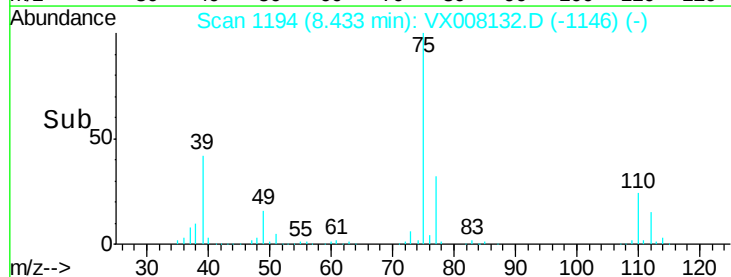
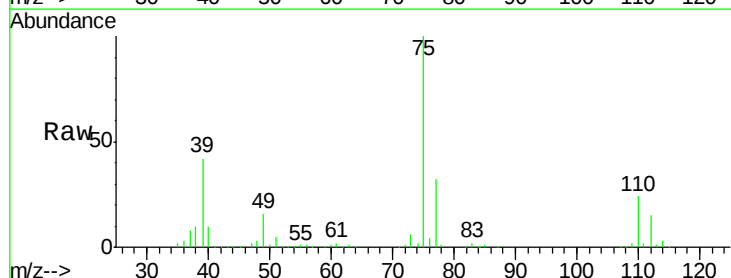
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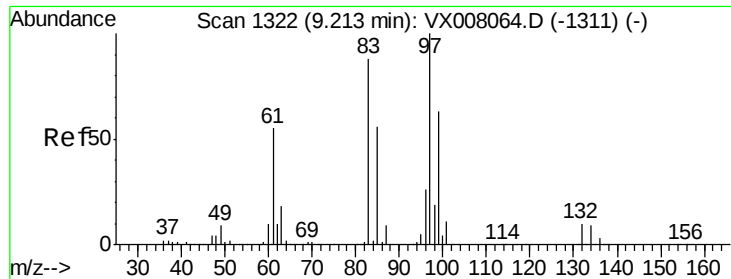
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#54
cis-1,3-Dichloropropene
Concen: 46.362 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.01 min
Lab File: VX008132.D
Acq: 16 Mar 2019 03:04

Tgt Ion: 75 Resp: 160038
Ion Ratio Lower Upper
75 100
77 32.5 25.0 37.6
39 41.5 36.6 54.8





#55

1,1,2-Trichloroethane

Concen: 47.841 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 111563

Ion Ratio Lower Upper

97 100

83 83.6 69.1 103.7

85 53.0 44.3 66.5

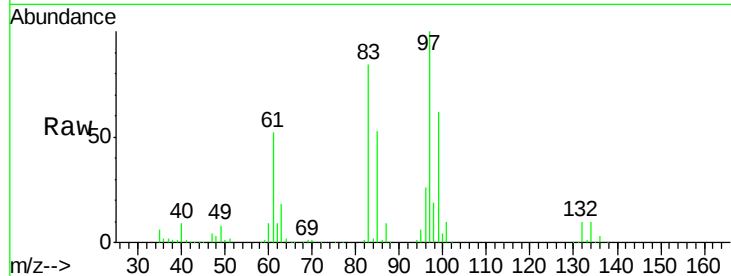
99 61.6 49.8 74.8

Manual Integrations

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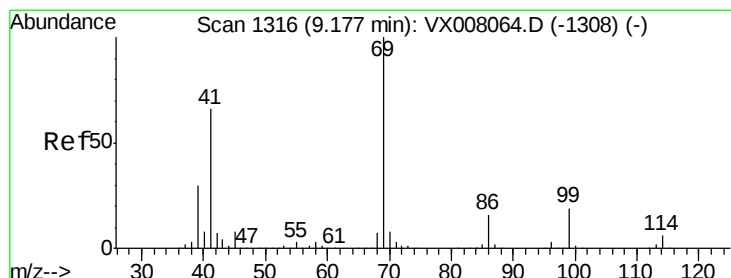
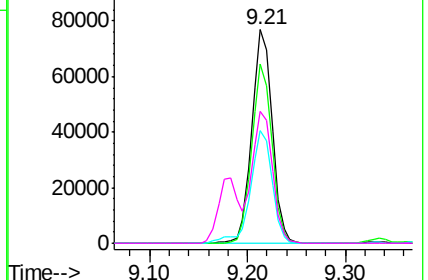
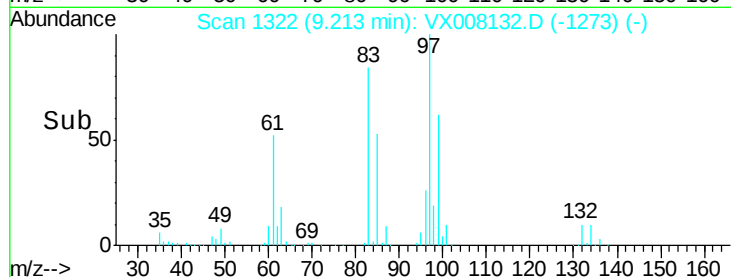


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 48.168 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

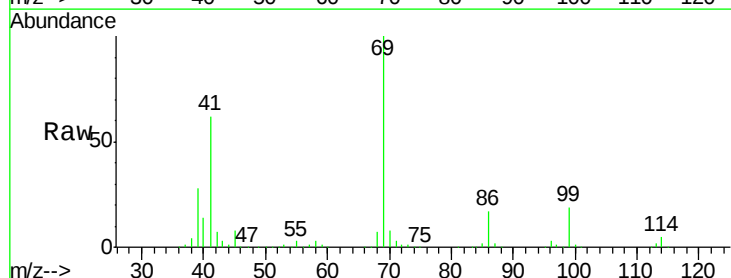
Tgt Ion: 69 Resp: 165922

Ion Ratio Lower Upper

69 100

41 61.2 54.2 81.4

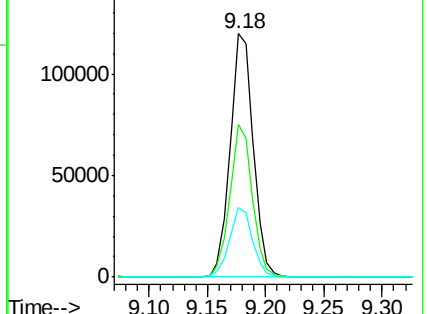
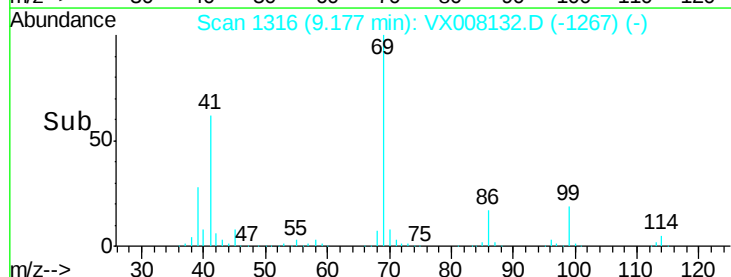
39 28.5 25.0 37.4

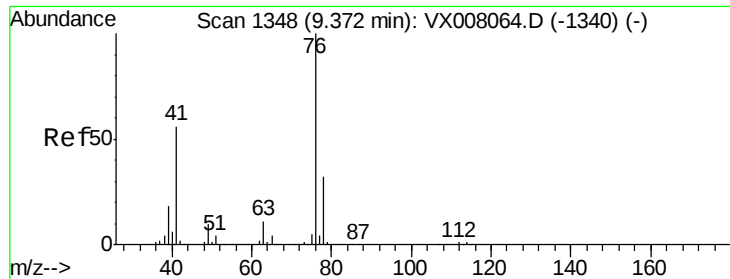


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 46.304 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 178696

Ion Ratio Lower Upper

76 100

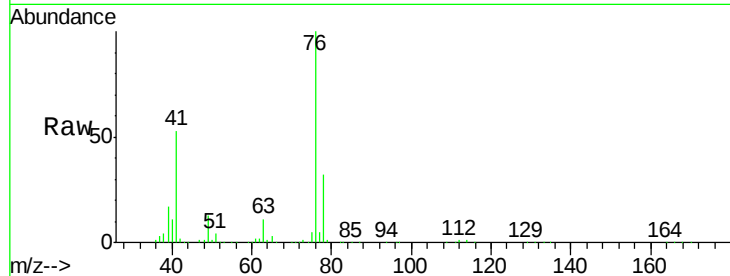
78 32.4 25.5 38.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

150000

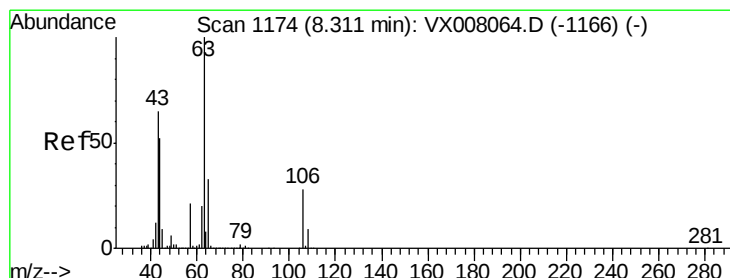
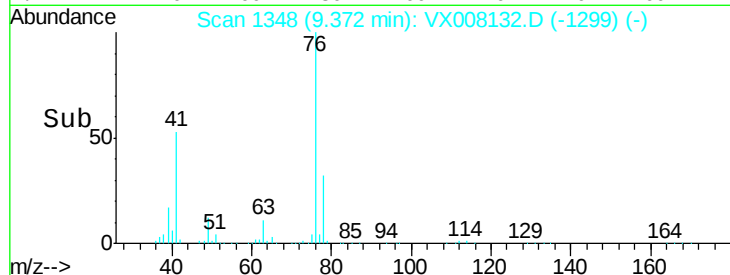
100000

50000

0

9.30 9.35 9.40 9.45 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 227.957 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX008132.D

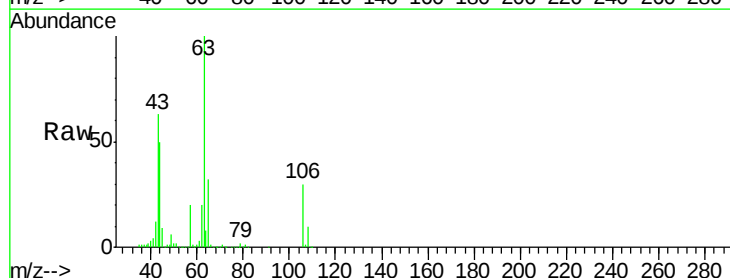
Acq: 16 Mar 2019 03:04

Tgt Ion: 63 Resp: 461950

Ion Ratio Lower Upper

63 100

106 30.8 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

300000

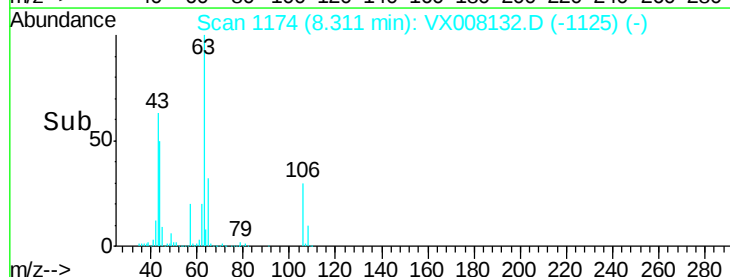
200000

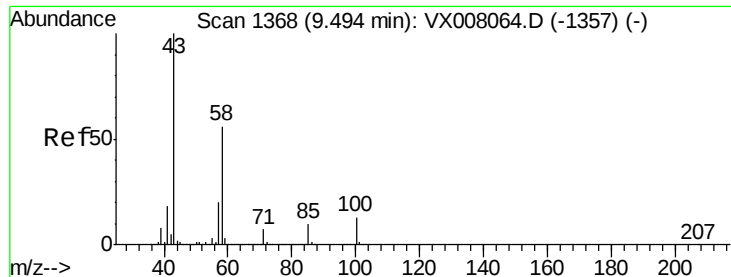
100000

0

8.20 8.30 8.40

Time-->





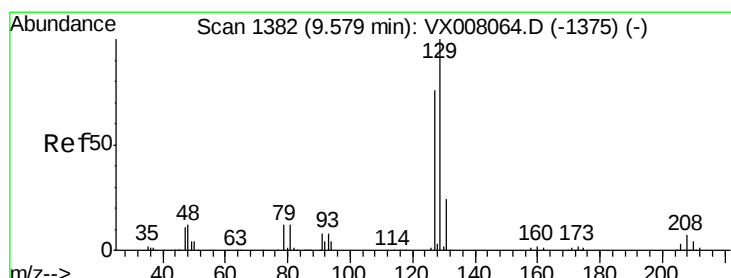
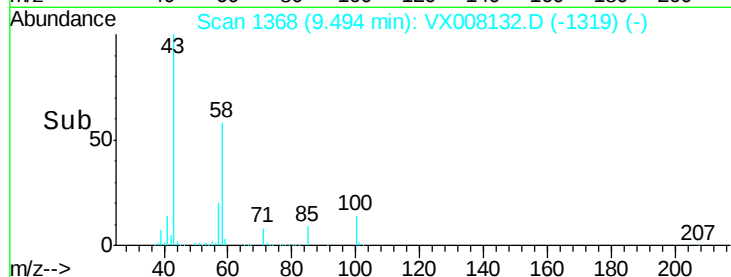
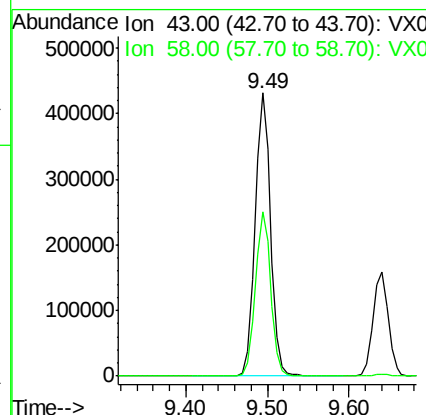
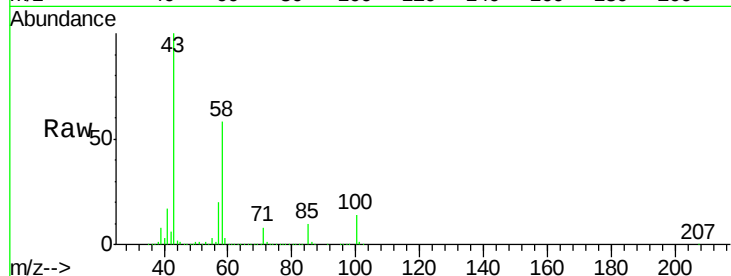
#59
2-Hexanone
Concen: 217.743 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX008132.D
Acq: 16 Mar 2019 03:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 571313
Ion Ratio Lower Upper
43 100
58 58.2 27.6 82.7

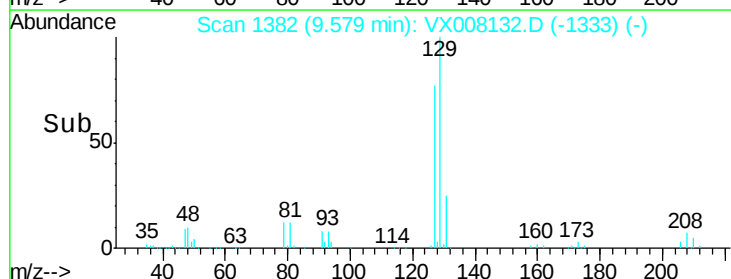
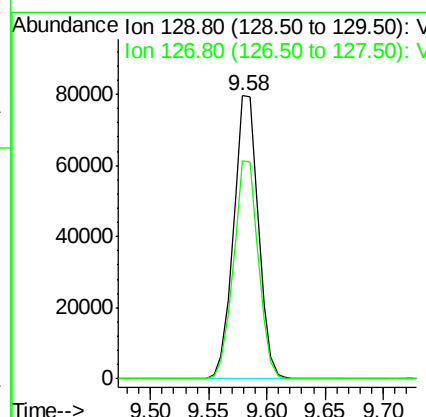
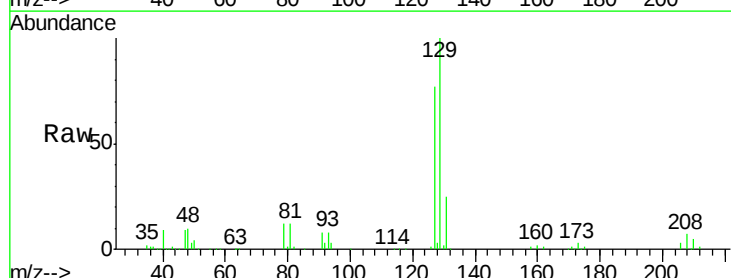
Manual Integrations
APPROVED

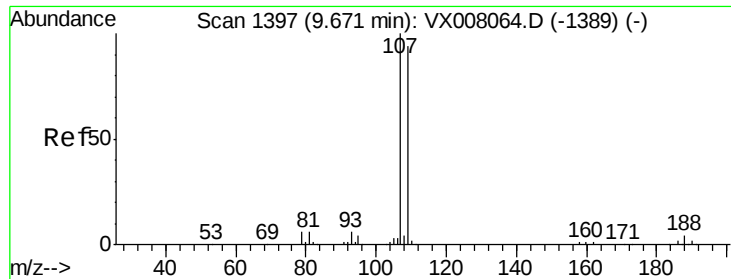
MMDadoda
3/16/2019 10:33:38 AM



#60
Dibromochloromethane
Concen: 49.080 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008132.D
Acq: 16 Mar 2019 03:04

Tgt Ion: 129 Resp: 117960
Ion Ratio Lower Upper
129 100
127 77.0 38.3 114.8





#61

1,2-Dibromoethane

Concen: 48.711 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 119023

Ion Ratio Lower Upper

107 100

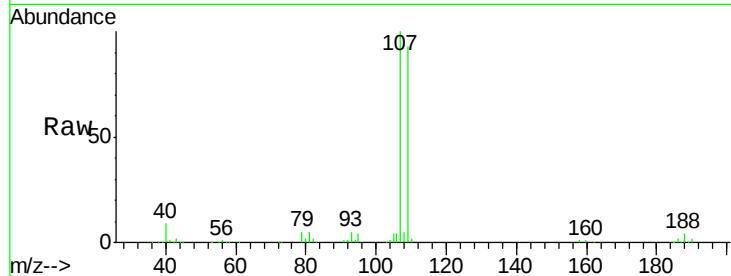
109 94.6 75.8 113.8

Manual Integrations

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MMDadoda

3/16/2019 10:33:38 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

100000

80000

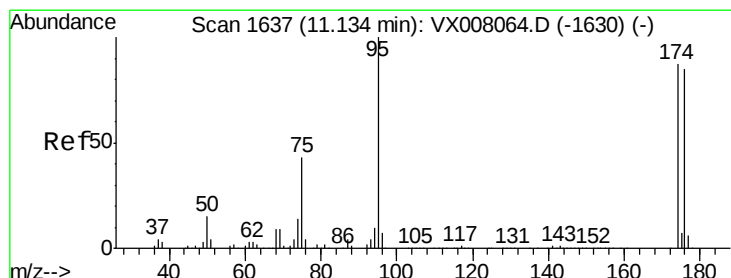
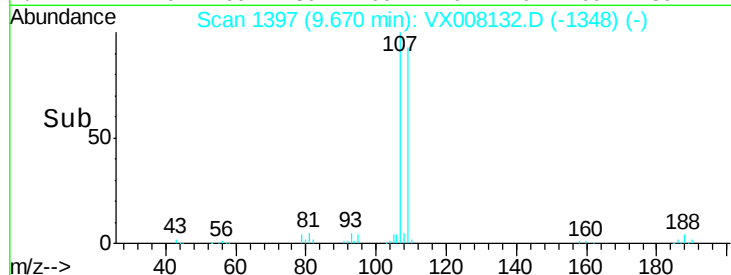
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.209 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

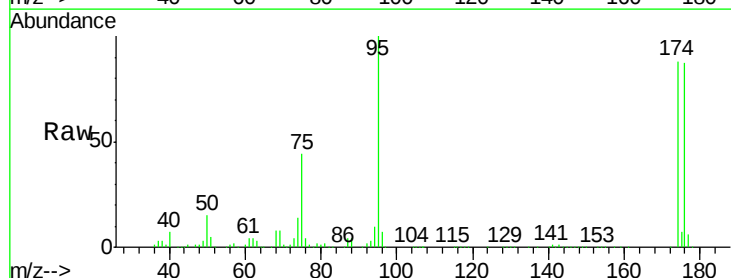
Tgt Ion: 95 Resp: 145818

Ion Ratio Lower Upper

95 100

174 95.7 0.0 182.8

176 93.7 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

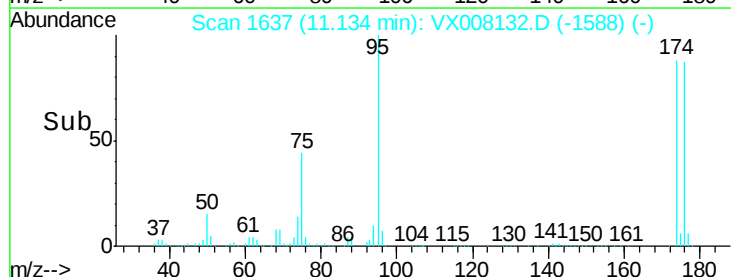
150000

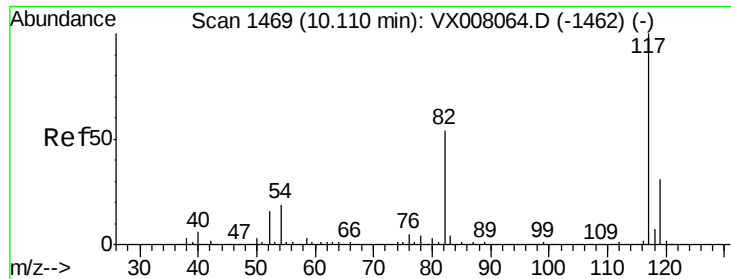
100000

50000

0

Time-->





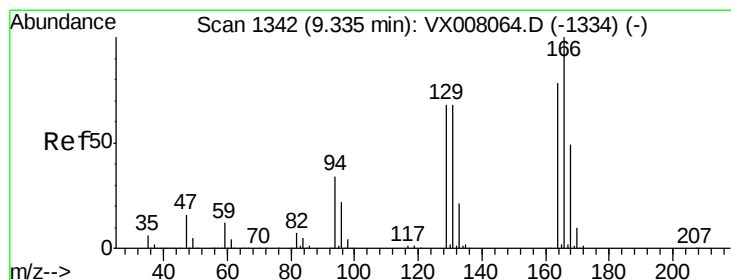
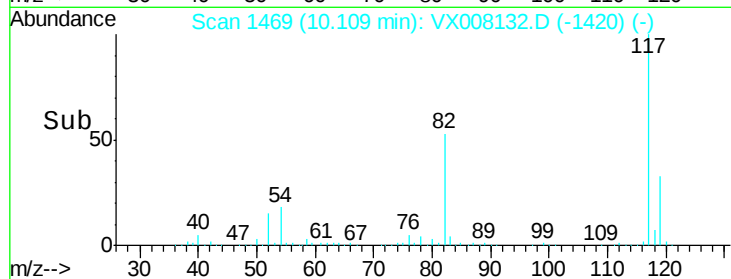
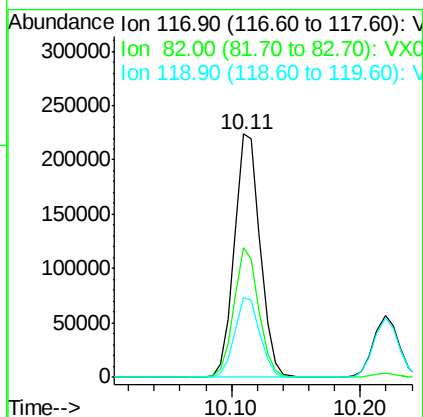
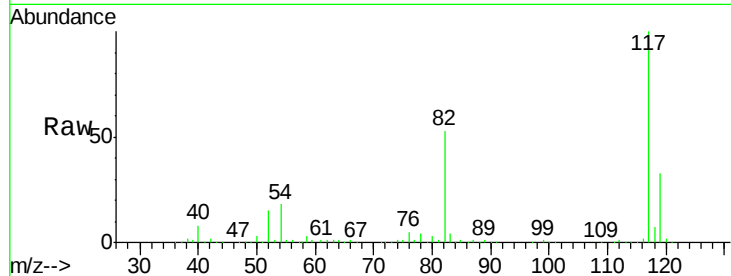
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008132.D
Acq: 16 Mar 2019 03:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	44.3	66.5
119	32.6	25.3	37.9

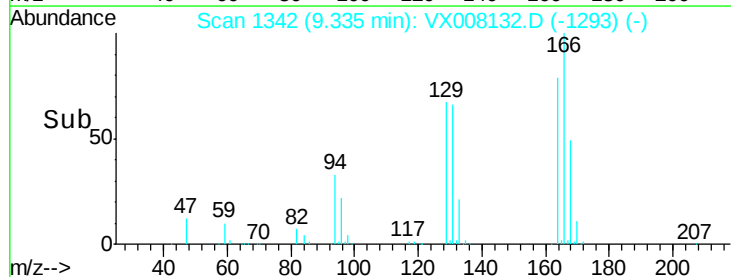
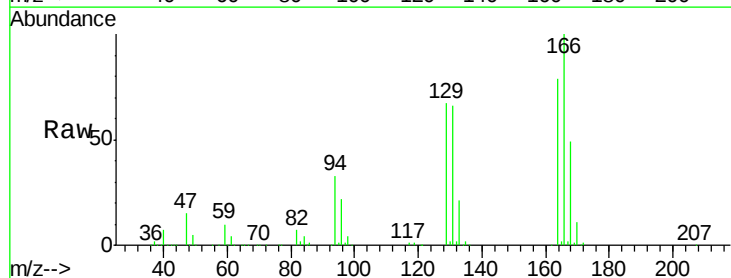
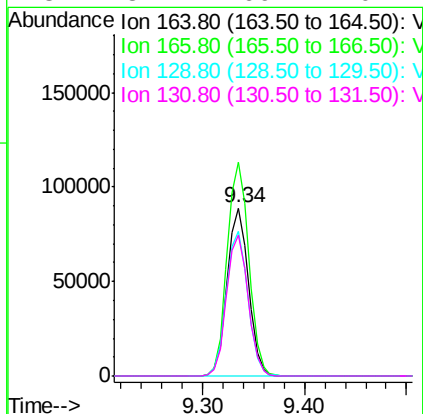
Manual Integrations
APPROVED

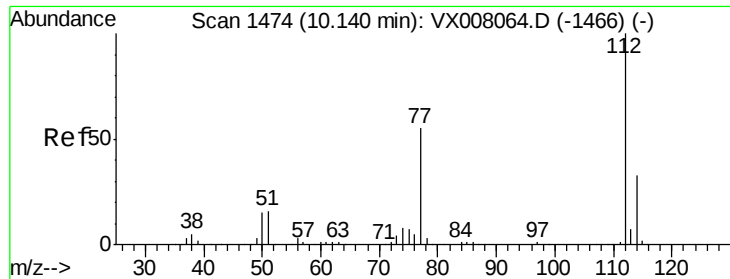
MMDadoda
3/16/2019 10:33:38 AM



#64
Tetrachloroethene
Concen: 50.783 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008132.D
Acq: 16 Mar 2019 03:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	103.4	155.0
129	85.7	72.2	108.4
131	84.1	69.4	104.2





#65

Chlorobenzene

Concen: 48.847 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 301864

Ion Ratio Lower Upper

112 100

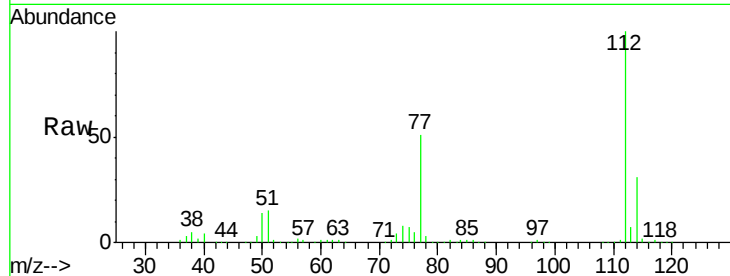
114 31.5 26.0 39.0

Manual Integrations

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3/16/2019 10:33:38 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

250000

200000

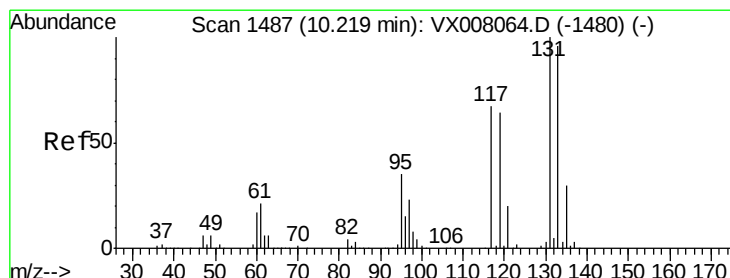
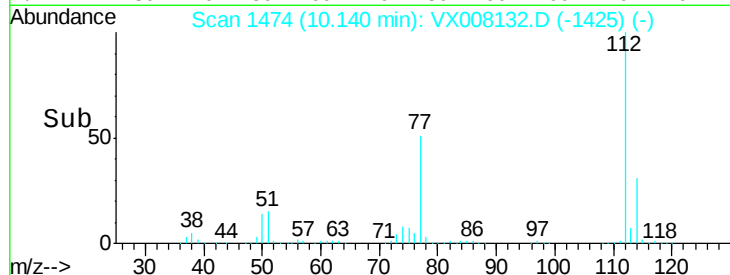
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 51.969 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

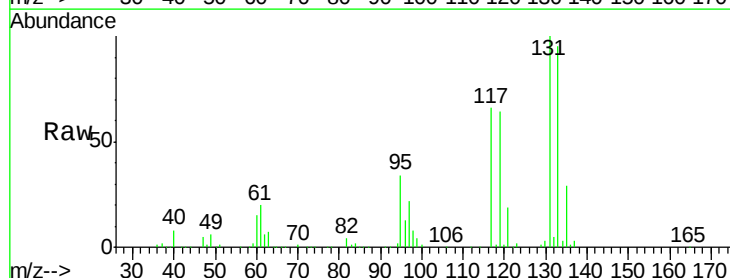
Tgt Ion:131 Resp: 113975

Ion Ratio Lower Upper

131 100

133 95.9 47.8 143.3

119 64.7 32.5 97.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.22

120000

100000

80000

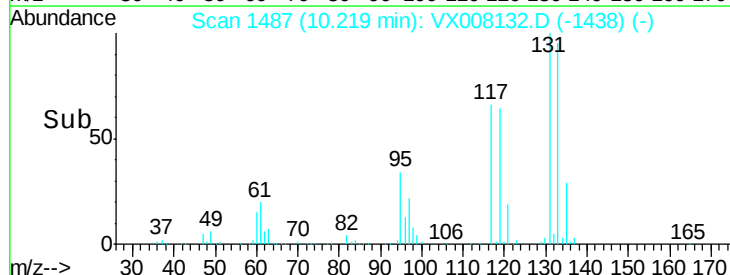
60000

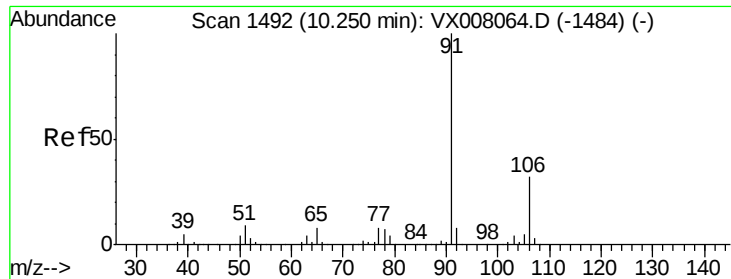
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 48.750 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 498650

Ion Ratio Lower Upper

91 100

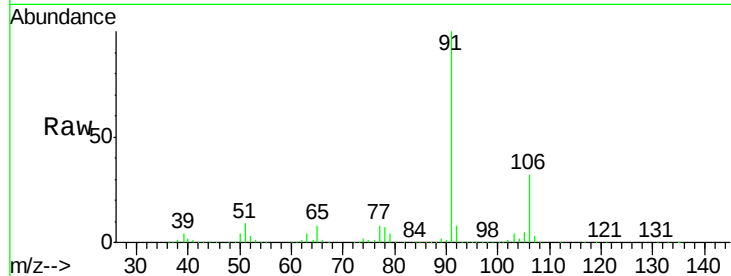
106 32.3 25.2 37.8

Manual Integrations

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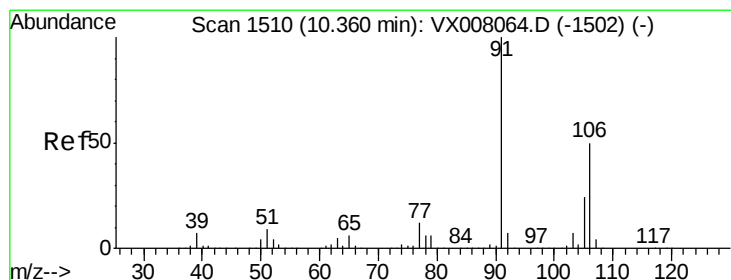
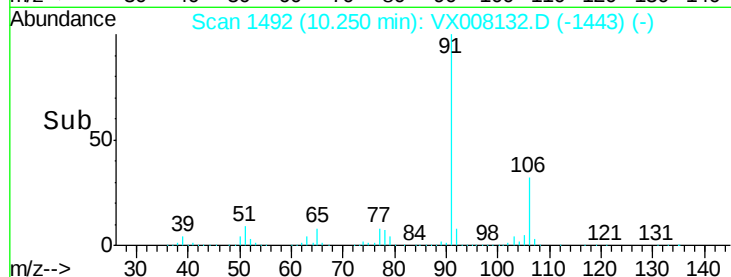
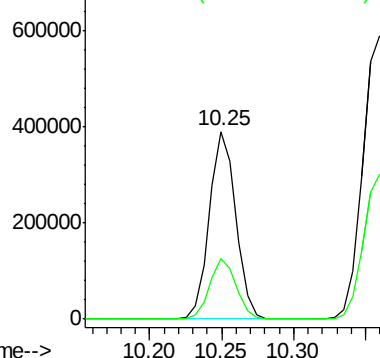
MMDadoda

3/16/2019 10:33:38 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 99.911 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008132.D

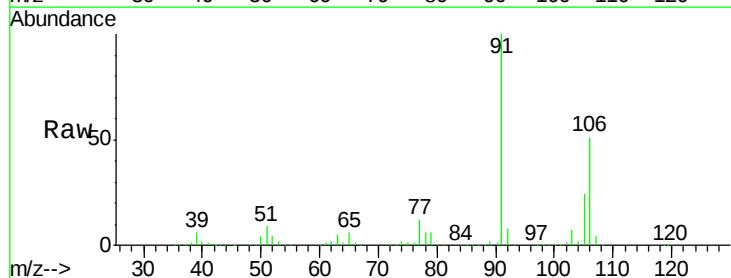
Acq: 16 Mar 2019 03:04

Tgt Ion: 106 Resp: 391051

Ion Ratio Lower Upper

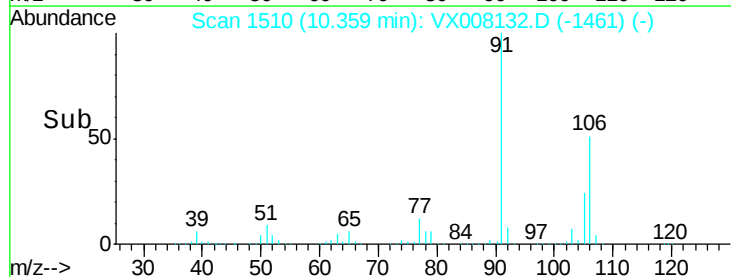
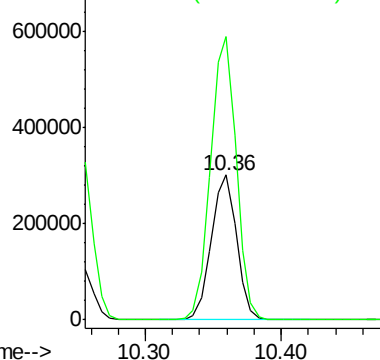
106 100

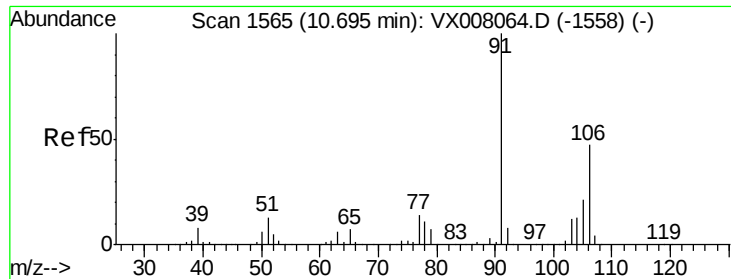
91 198.1 159.8 239.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





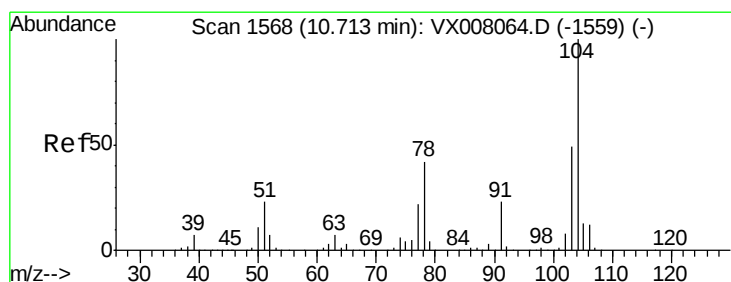
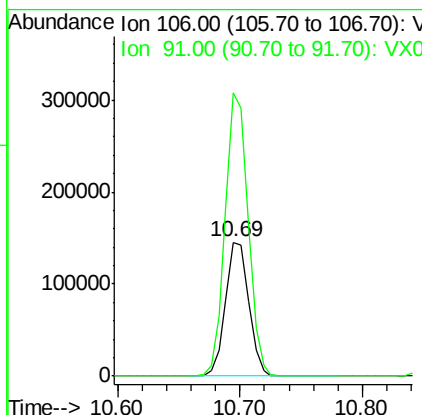
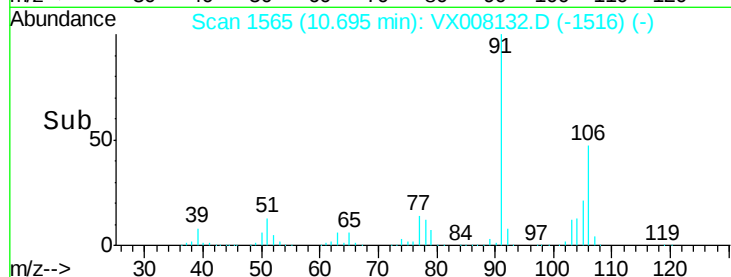
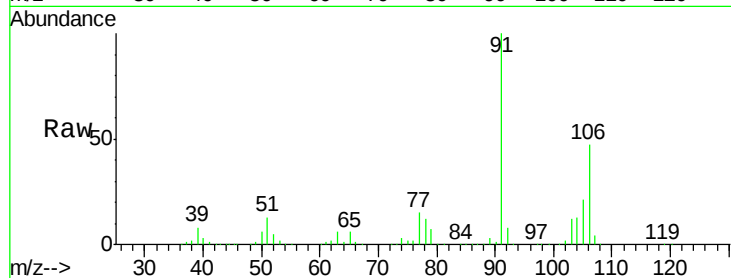
#69
o-Xylene
Concen: 50.089 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX008132.D
Acq: 16 Mar 2019 03:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		191118		
91	208.7	106.3	318.9		

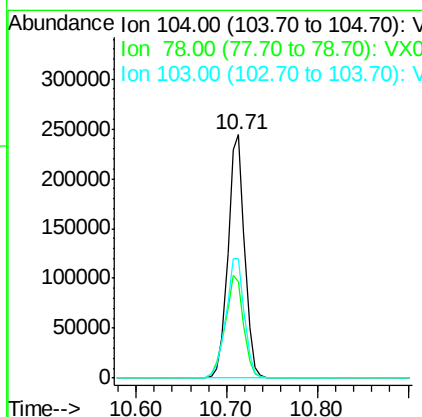
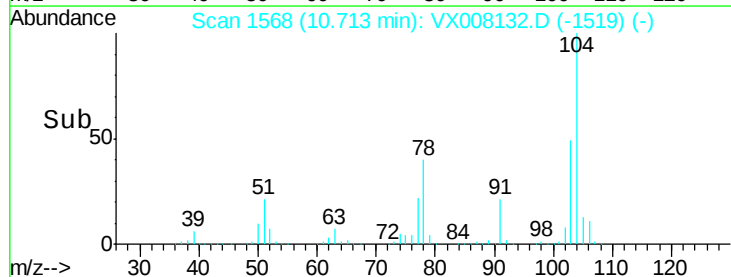
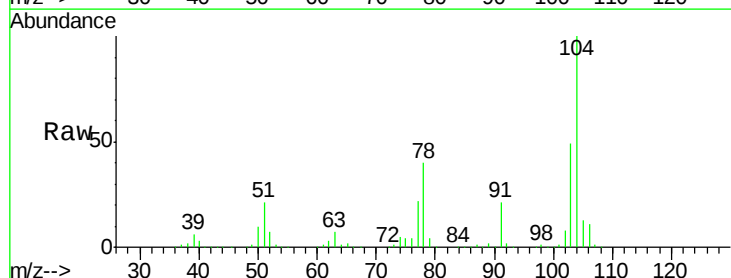
Manual Integrations
APPROVED

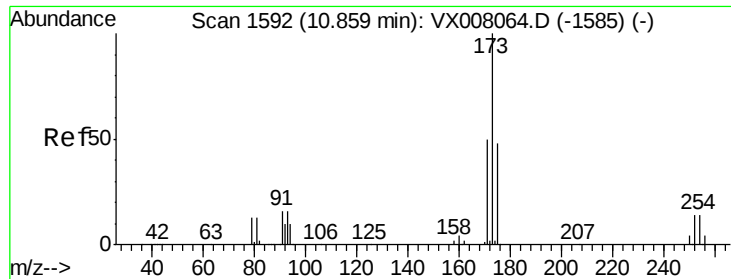
MMDadoda
3/16/2019 10:33:38 AM



#70
Styrene
Concen: 50.477 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008132.D
Acq: 16 Mar 2019 03:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		315511		
78	46.7	38.5	57.7		
103	55.0	44.1	66.1		





#71

Bromoform

Concen: 52.289 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 94902

Ion Ratio Lower Upper

173 100

175 49.3 24.3 72.9

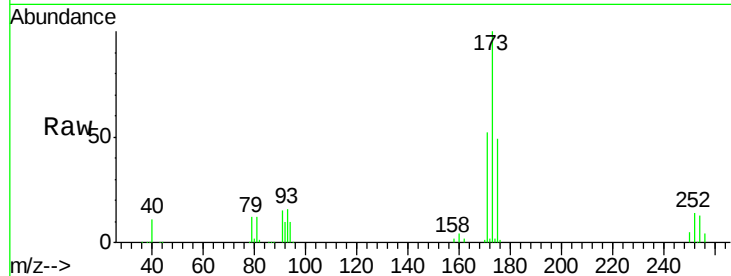
254 0.1 0.1 0.1#

Manual Integrations

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MMDadoda

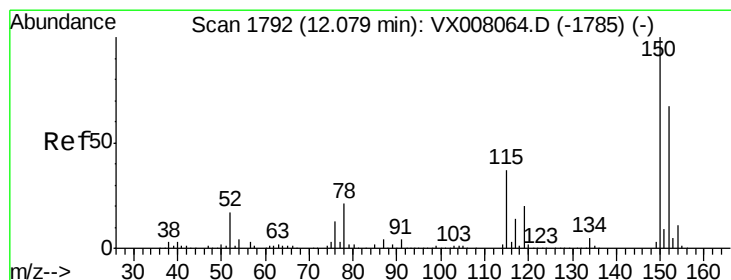
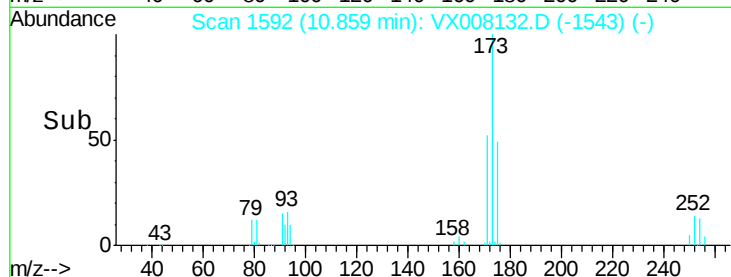
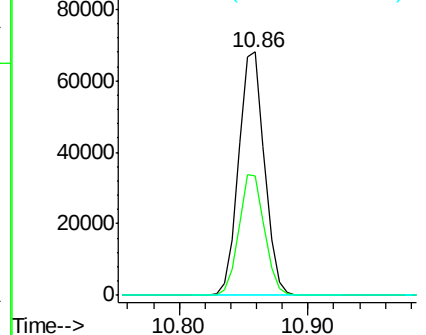
3/16/2019 10:33:38 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

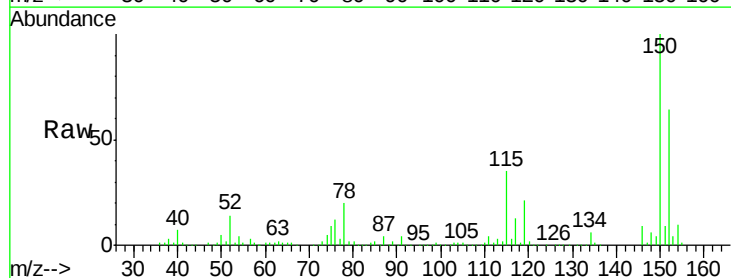
Tgt Ion:152 Resp: 160923

Ion Ratio Lower Upper

152 100

115 73.9 38.6 115.7

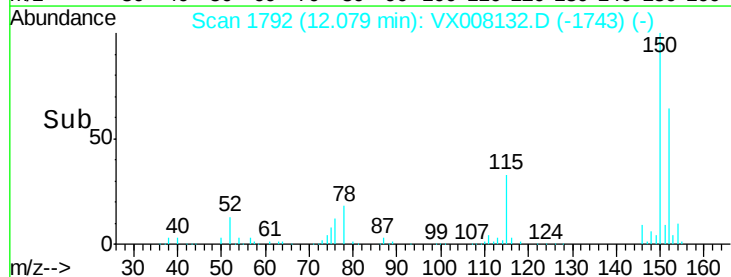
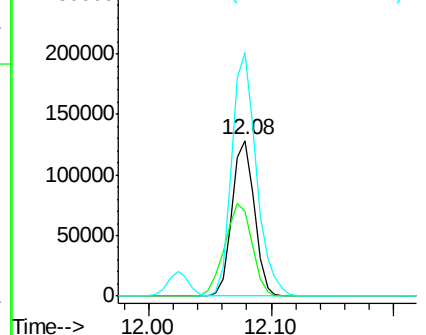
150 172.6 0.0 348.4

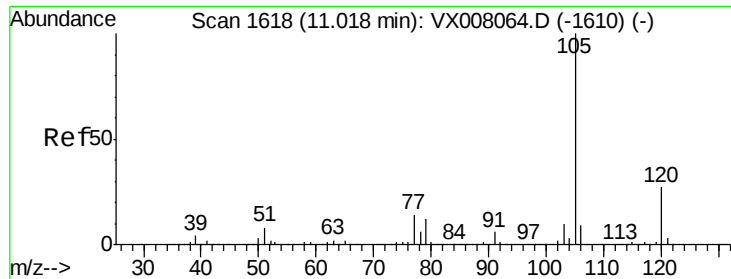


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





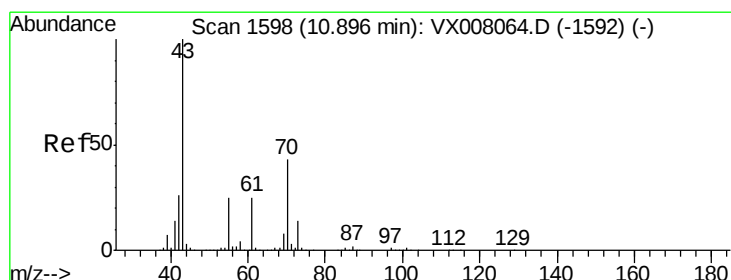
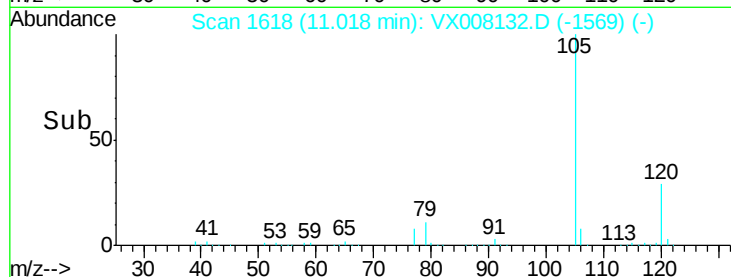
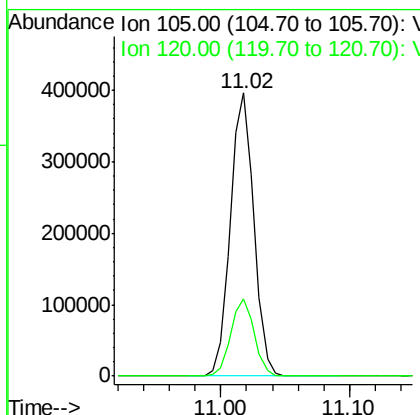
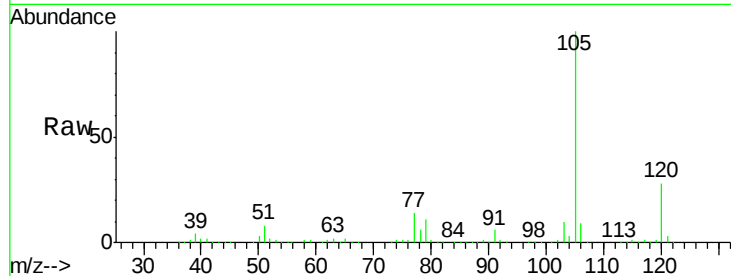
#73
Isopropylbenzene
Concen: 49.034 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX008132.D
Acq: 16 Mar 2019 03:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 505386
Ion Ratio Lower Upper
105 100
120 27.2 13.4 40.1

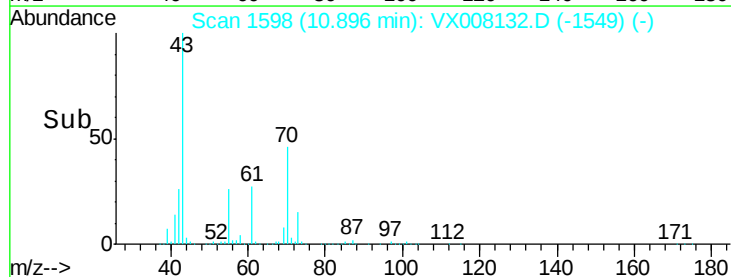
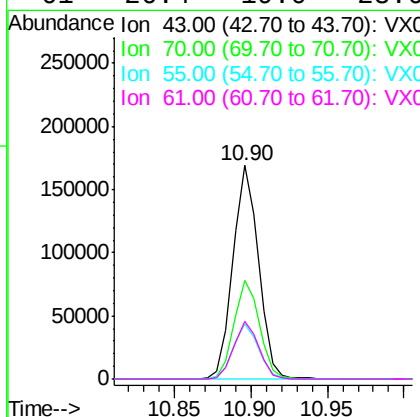
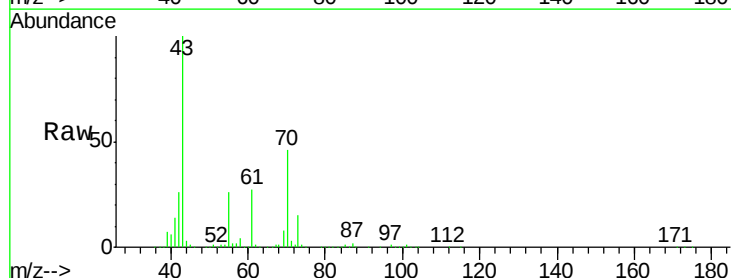
Manual Integrations
APPROVED

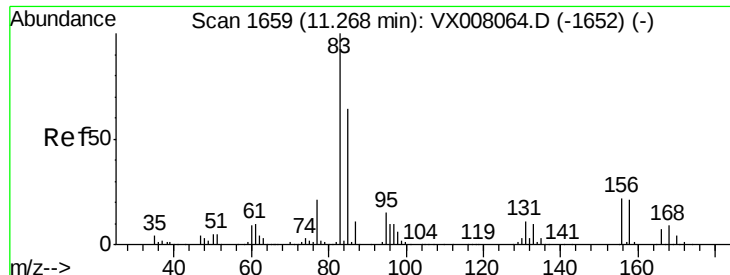
MMDadoda
3/16/2019 10:33:38 AM



#74
N-ethyl acetate
Concen: 44.954 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX008132.D
Acq: 16 Mar 2019 03:04

Tgt Ion: 43 Resp: 195454
Ion Ratio Lower Upper
43 100
70 46.2 33.5 50.3
55 26.1 19.2 28.8
61 26.4 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 47.335 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

Instrument :

MSVOA_X

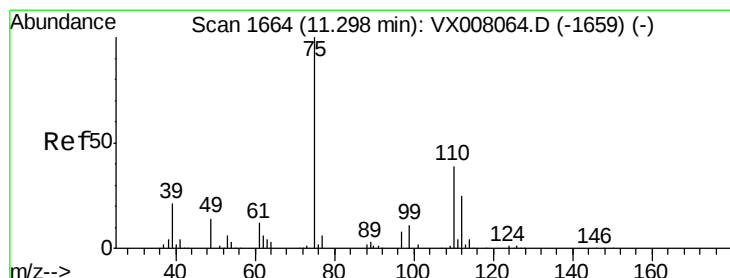
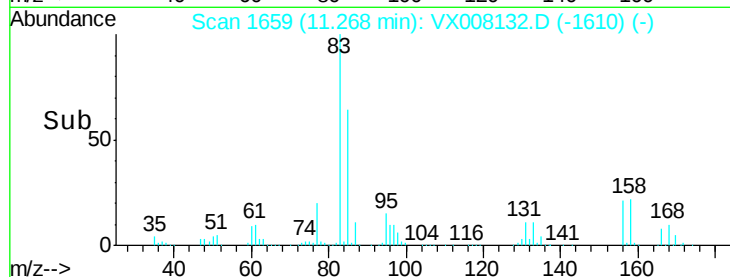
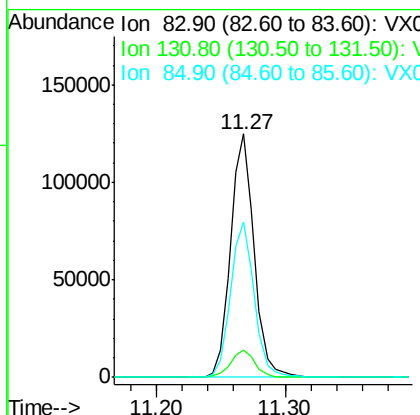
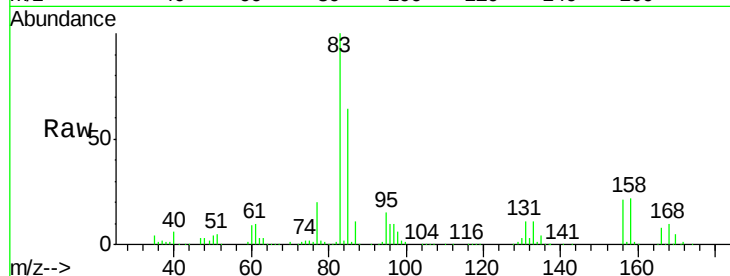
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	159856
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.4	16.2
85	64.5	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 54.678 ug/l m

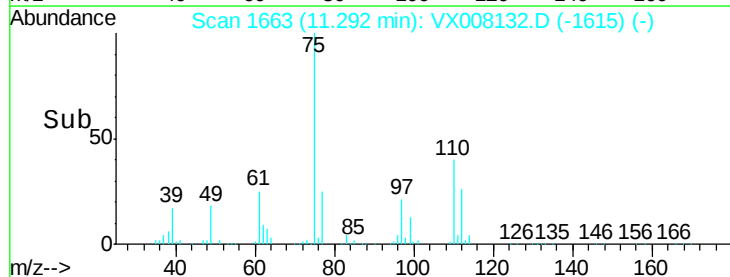
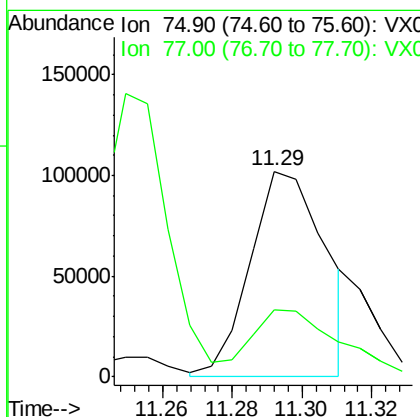
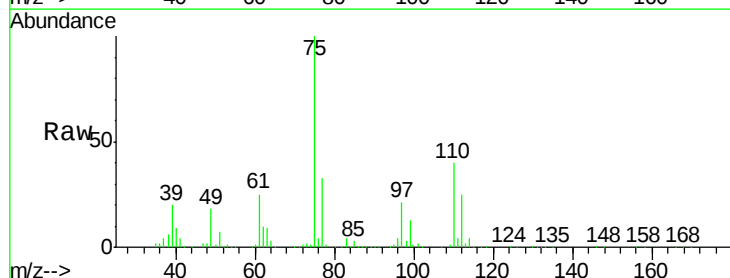
RT: 11.29 min Scan# 1663

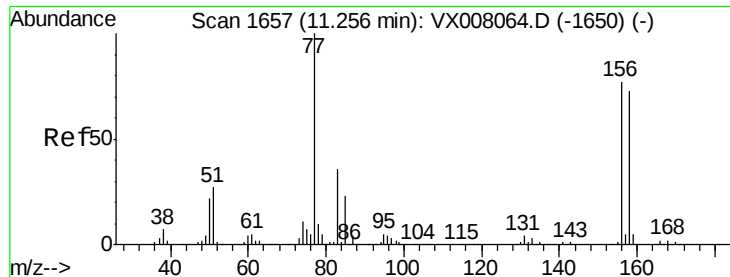
Delta R.T. -0.01 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

Tgt Ion:	75	Resp:	152812
Ion Ratio	Lower	Upper	
75	100		
77	38.8	18.9	56.7





#77

Bromobenzene

Concen: 50.304 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

Instrument :

MSVOA_X

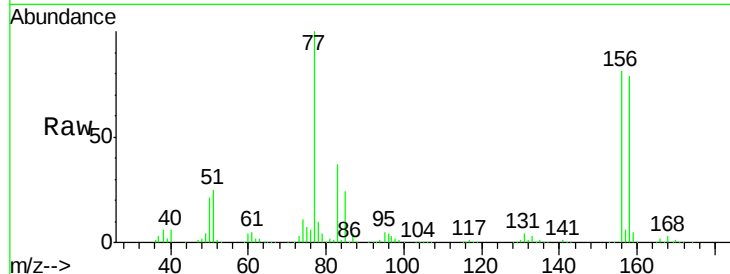
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	141519
Ion Ratio	Lower	Upper	
156	100		
77	130.8	72.0	215.9
158	97.1	48.6	145.9

Manual Integrations
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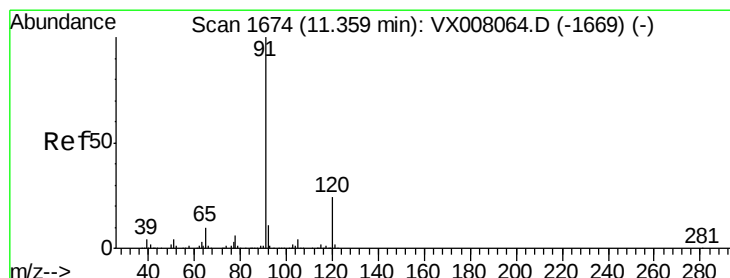
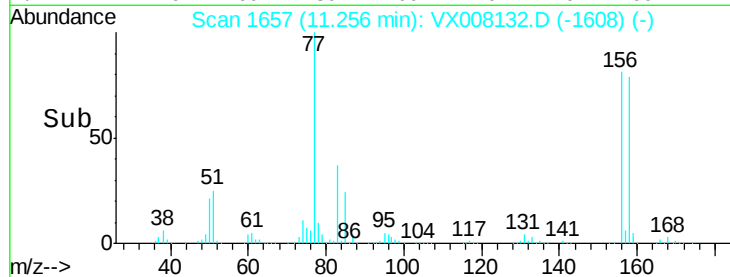
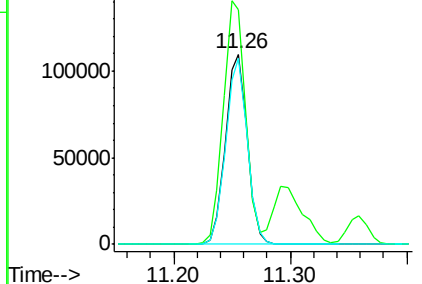
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.779 ug/l

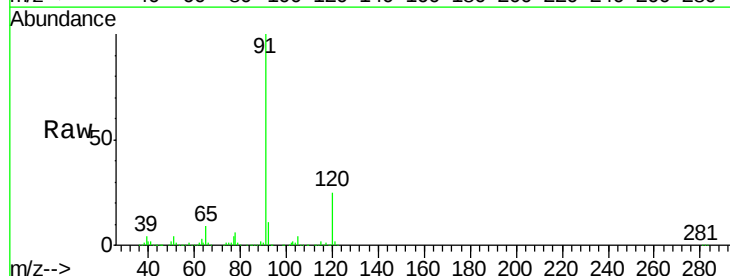
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008132.D

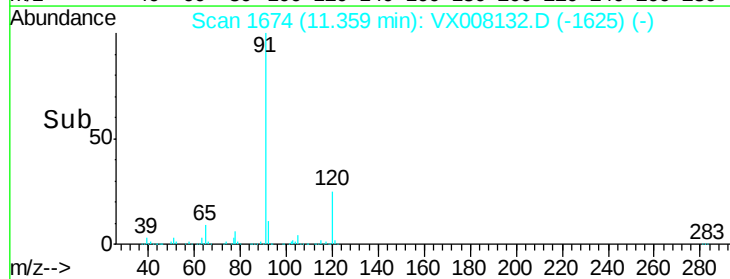
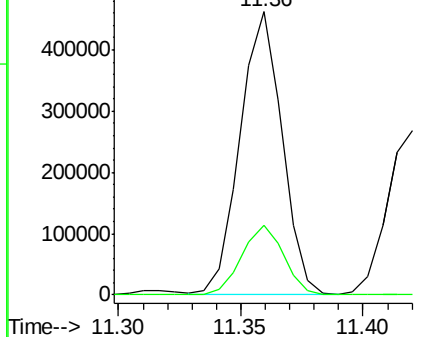
Acq: 16 Mar 2019 03:04

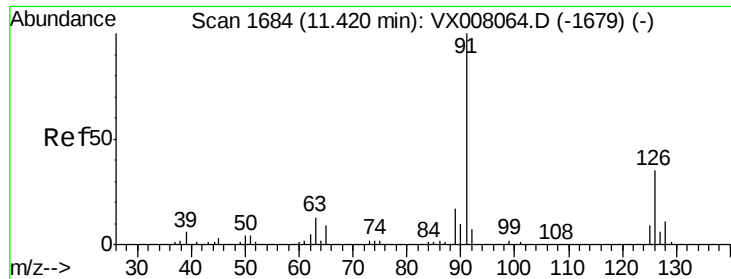
Tgt Ion:	91	Resp:	551584
Ion Ratio	Lower	Upper	
91	100		
120	24.6	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.149 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 332510

Ion Ratio Lower Upper

91 100

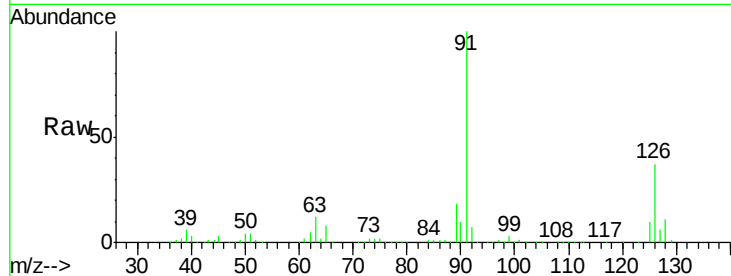
126 36.4 17.5 52.6

Manual Integrations

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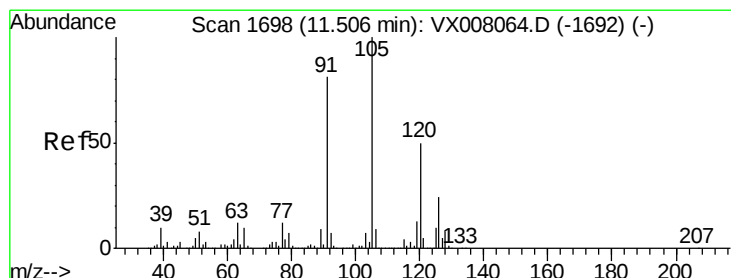
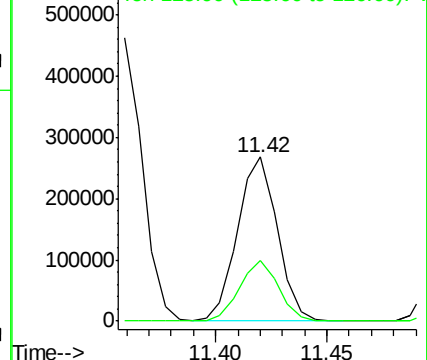
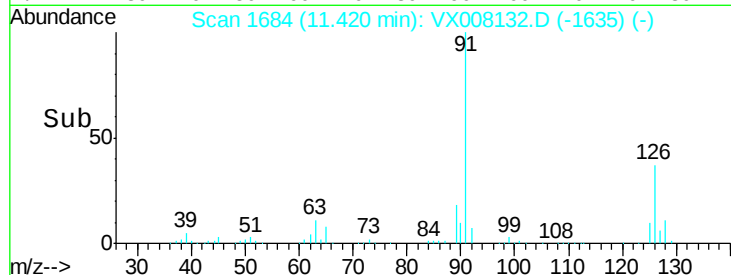
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.610 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008132.D

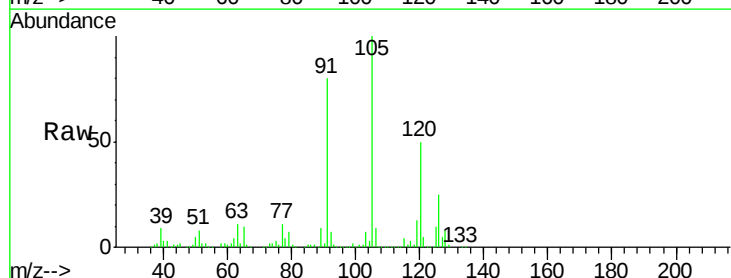
Acq: 16 Mar 2019 03:04

Tgt Ion:105 Resp: 421346

Ion Ratio Lower Upper

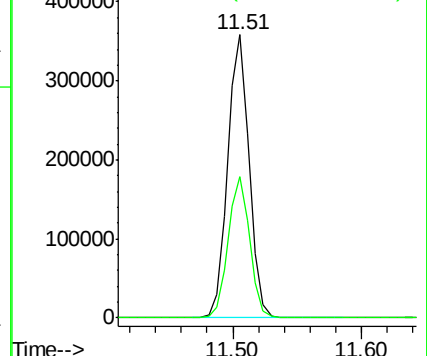
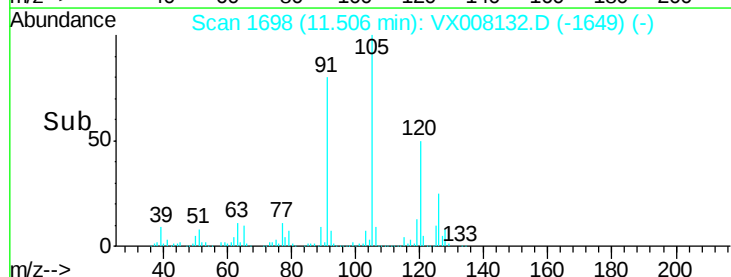
105 100

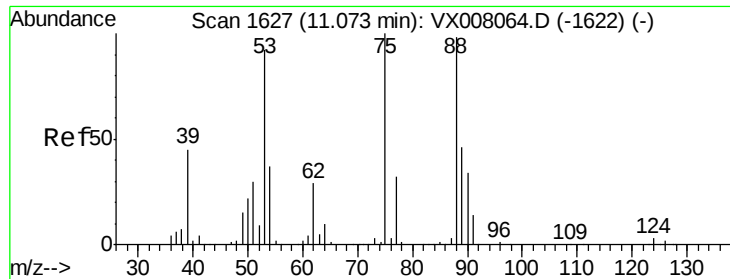
120 50.1 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





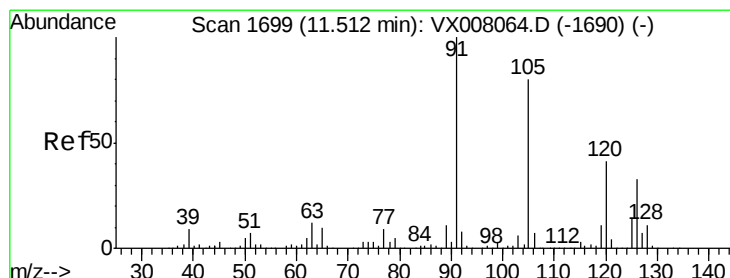
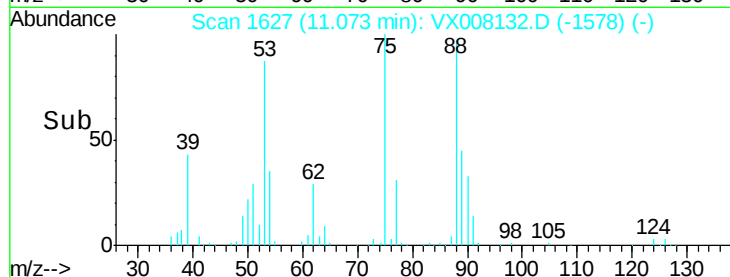
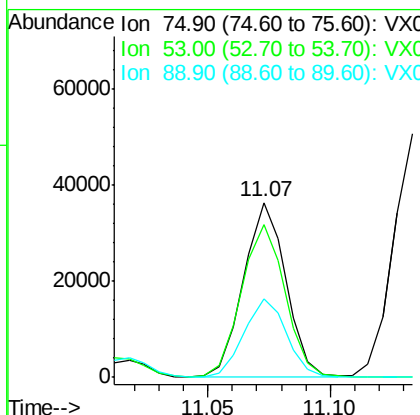
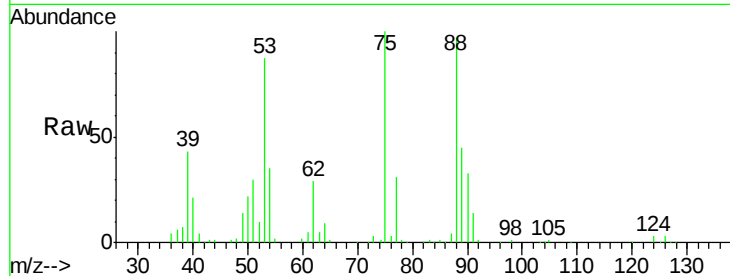
#81
trans-1,4-Dichloro-2-butene
Concen: 44.694 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX008132.D
Acq: 16 Mar 2019 03:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 43895
Ion Ratio Lower Upper
75 100
53 90.4 76.1 114.1
89 45.6 36.3 54.5

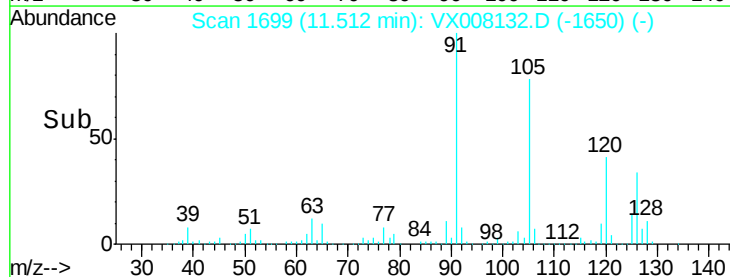
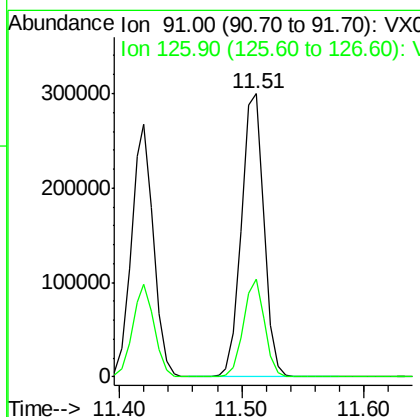
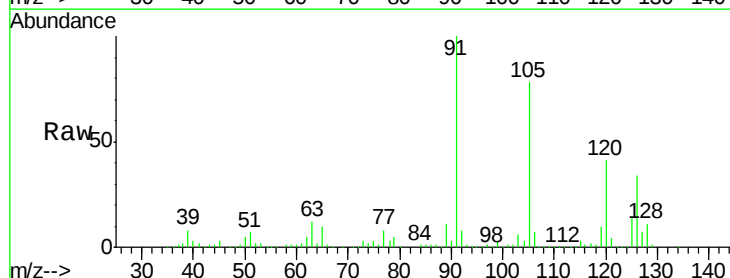
Manual Integrations
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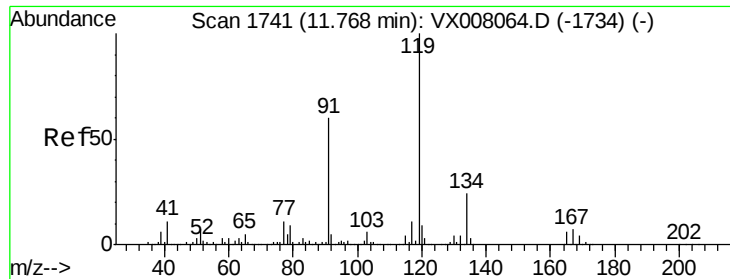
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3/16/2019 10:33:38 AM



#82
4-Chlorotoluene
Concen: 48.024 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX008132.D
Acq: 16 Mar 2019 03:04

Tgt Ion: 91 Resp: 379839
Ion Ratio Lower Upper
91 100
126 32.3 15.6 46.8





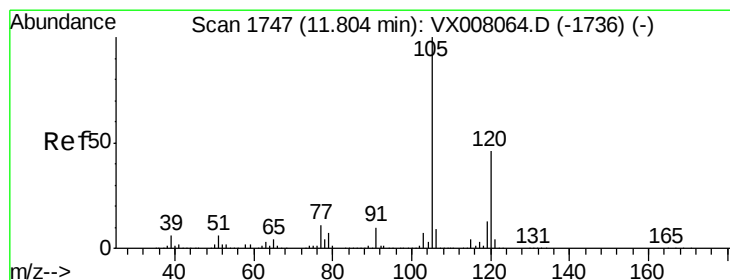
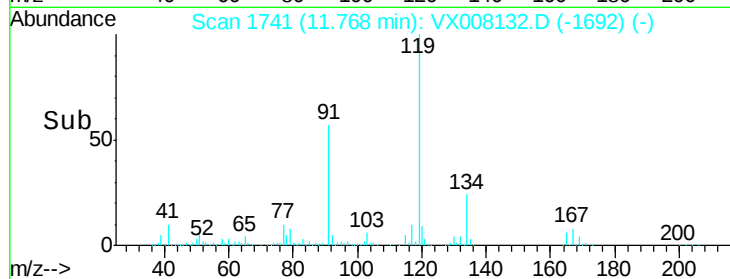
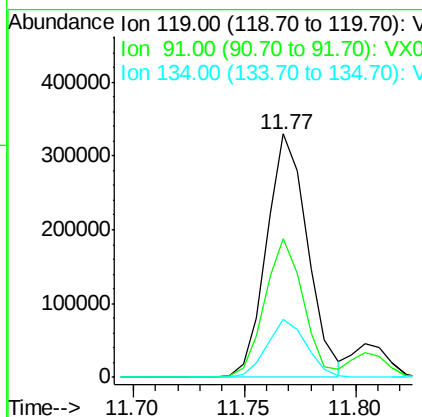
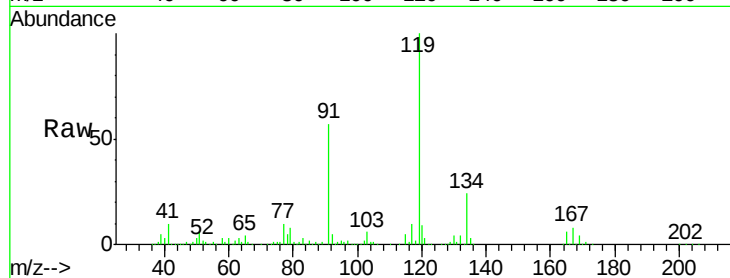
#83
tert-Butylbenzene
Concen: 49.404 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX008132.D
Acq: 16 Mar 2019 03:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.0	27.1	81.3
134	23.2	11.4	34.1

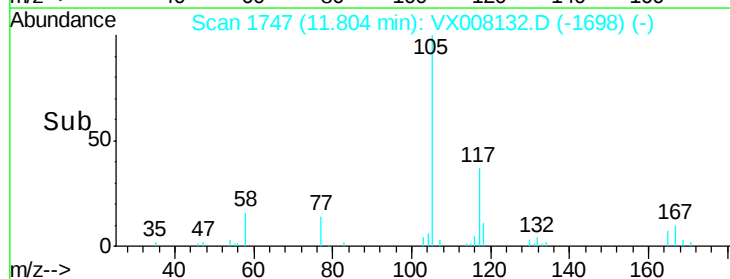
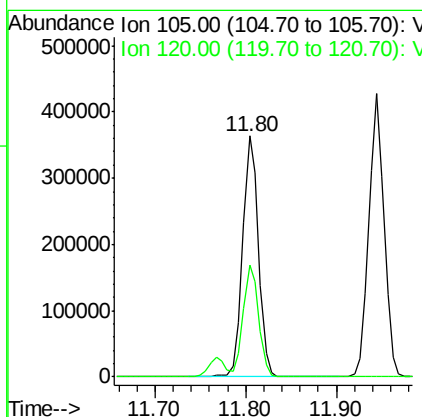
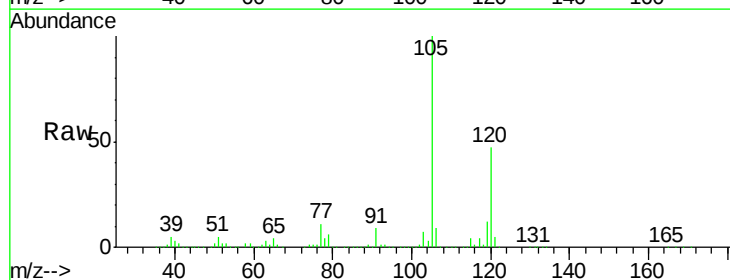
Manual Integrations
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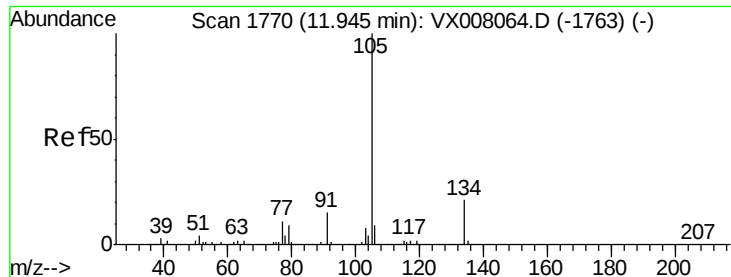
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 49.959 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008132.D
Acq: 16 Mar 2019 03:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.6	67.7





#85

sec-Butylbenzene

Concen: 49.180 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 498709

Ion Ratio Lower Upper

105 100

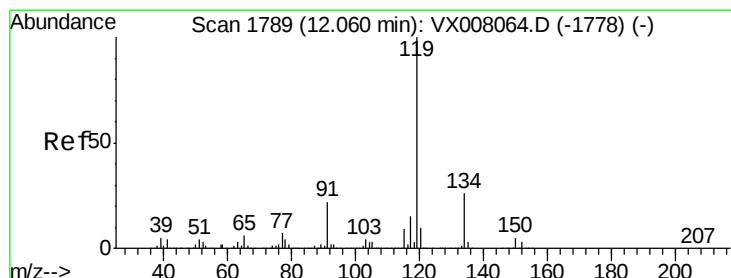
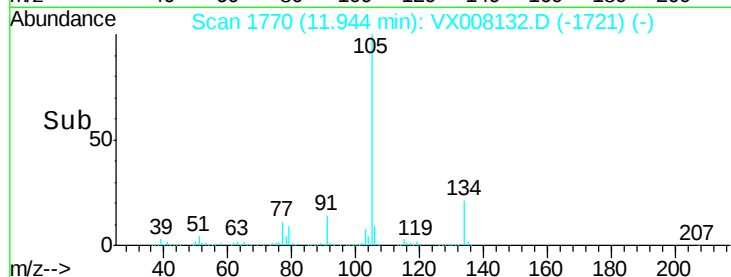
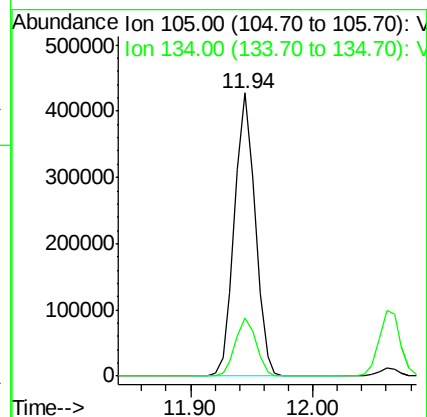
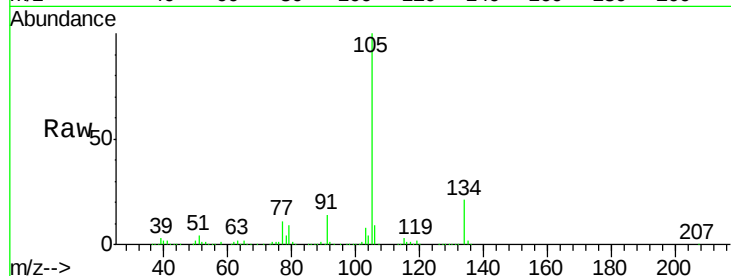
134 20.8 10.4 31.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 49.412 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

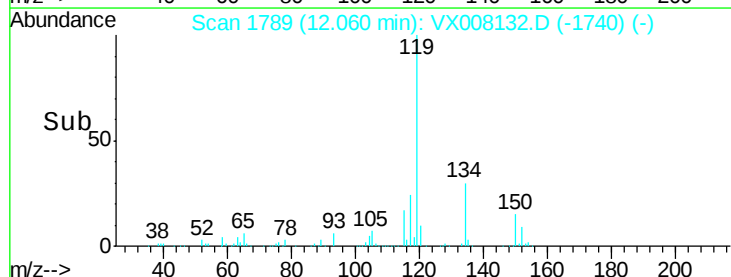
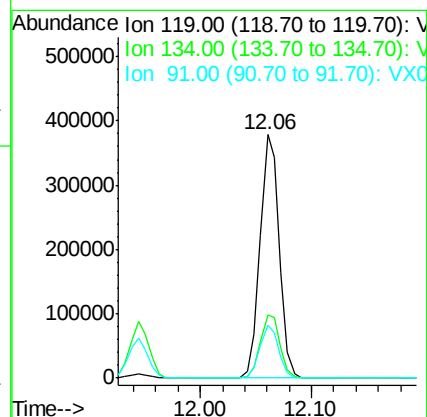
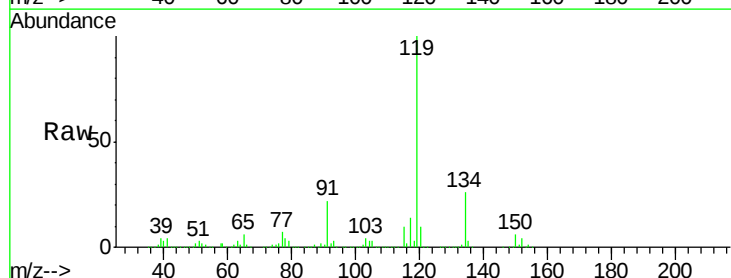
Tgt Ion:119 Resp: 453158

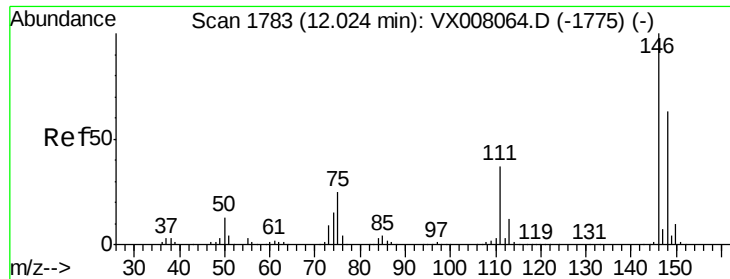
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

91 21.4 10.9 32.7





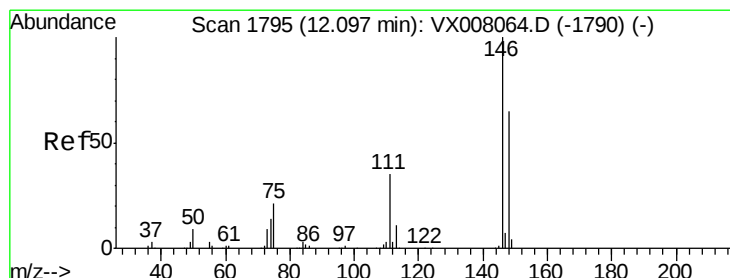
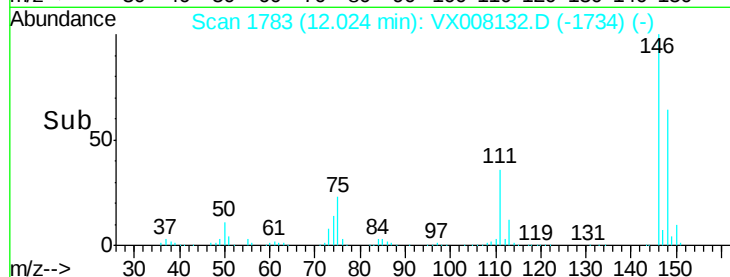
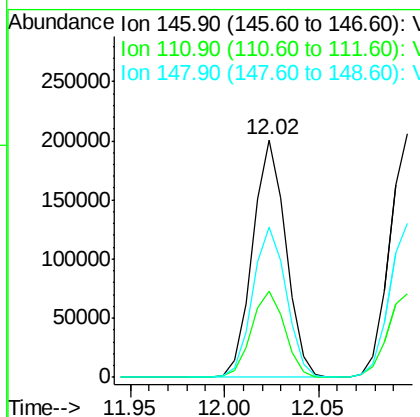
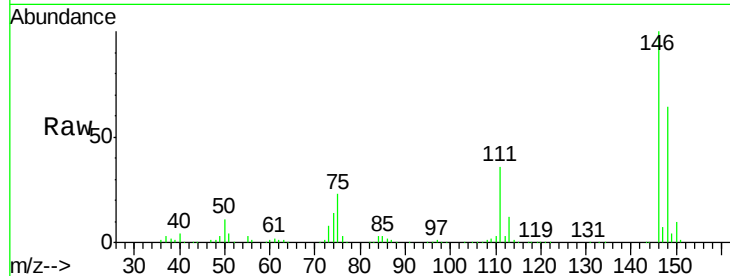
#87
 1,3-Dichlorobenzene
 Concen: 48.956 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX008132.D
 Acq: 16 Mar 2019 03:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.9	56.7
148	64.3	31.7	95.1

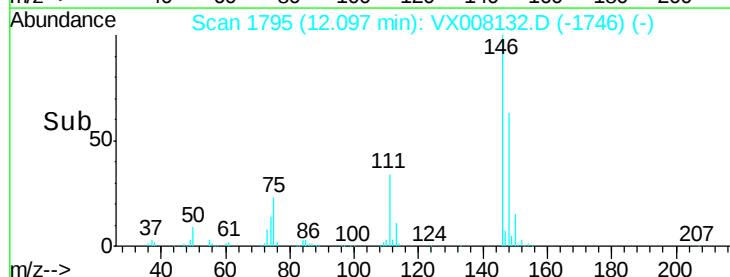
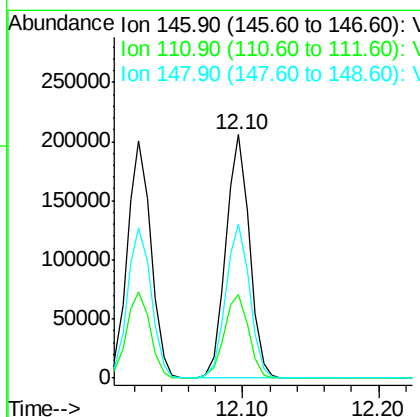
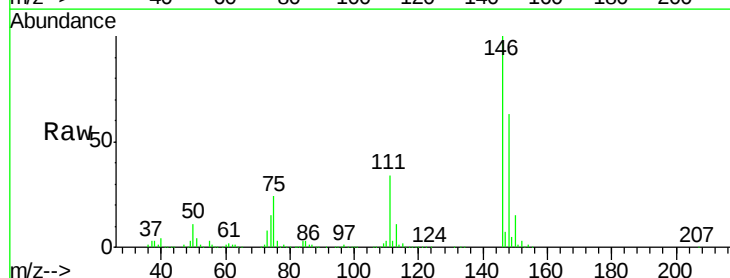
Manual Integrations
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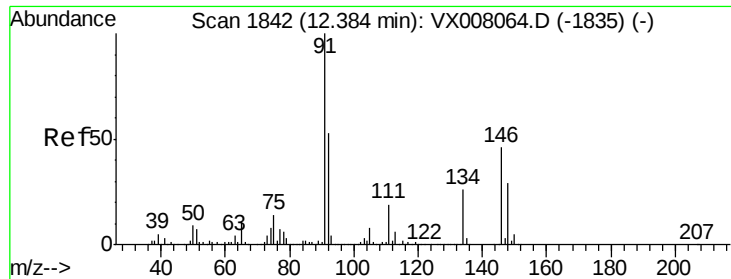
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 3/16/2019 10:33:38 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.484 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX008132.D
 Acq: 16 Mar 2019 03:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	18.4	55.0
148	64.3	32.2	96.6





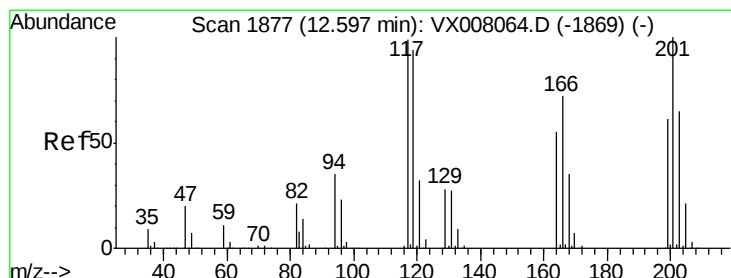
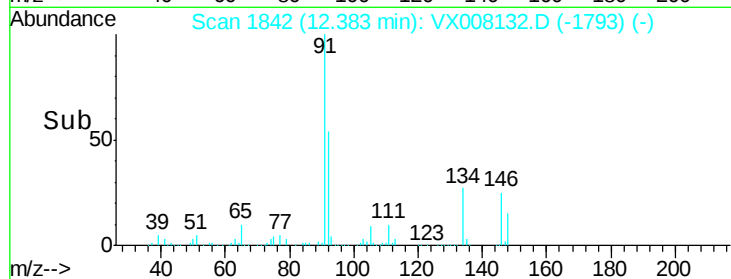
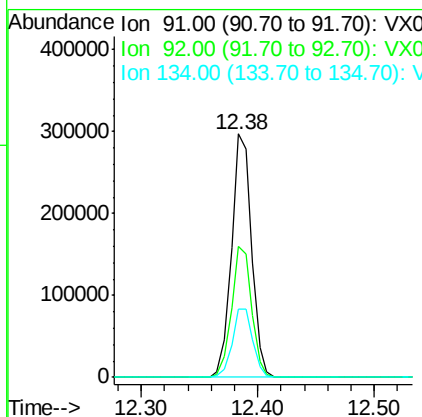
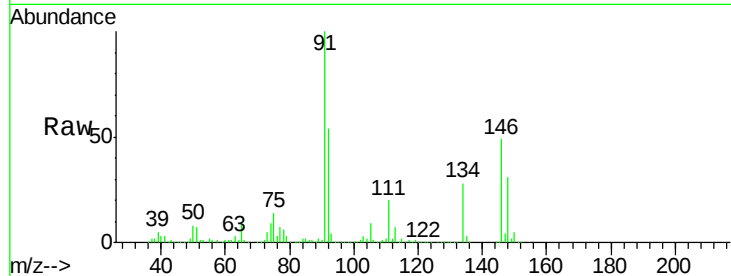
#89
n-Butylbenzene
Concen: 46.404 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008132.D
Acq: 16 Mar 2019 03:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.0	80.8
134	28.6	13.7	41.0

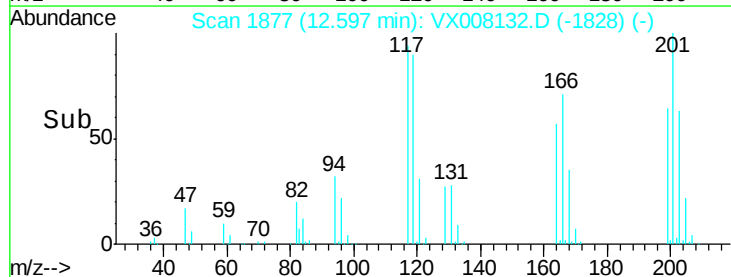
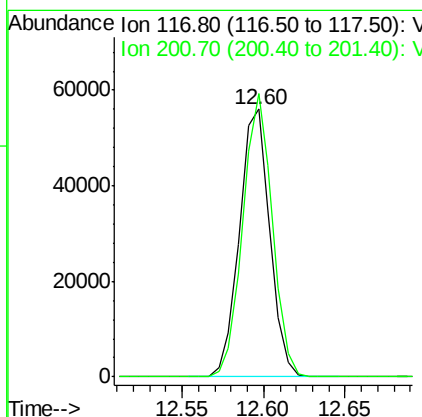
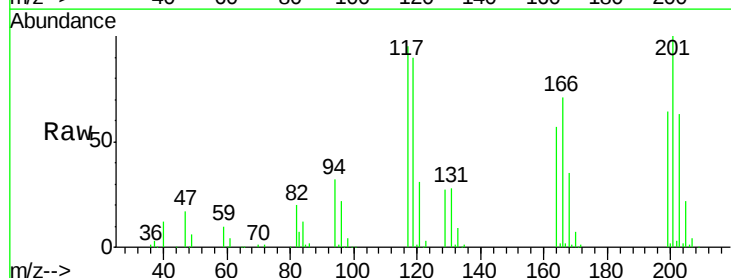
Manual Integrations
APPROVED

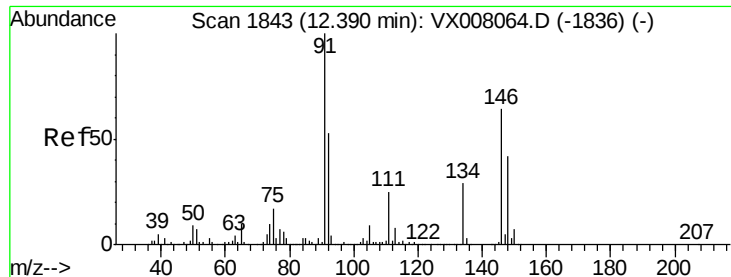
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3/16/2019 10:33:38 AM



#90
Hexachloroethane
Concen: 49.451 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008132.D
Acq: 16 Mar 2019 03:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	102.7	48.9	146.7





#91

1,2-Dichlorobenzene

Concen: 49.762 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

Instrument :

MSVOA_X

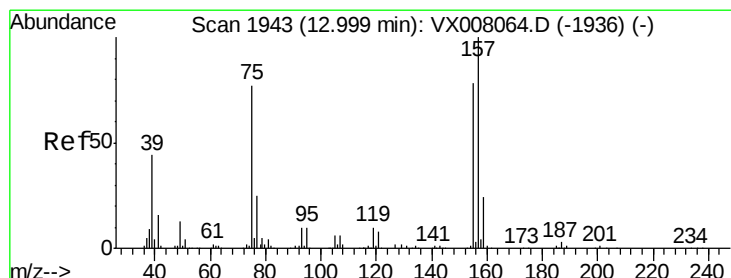
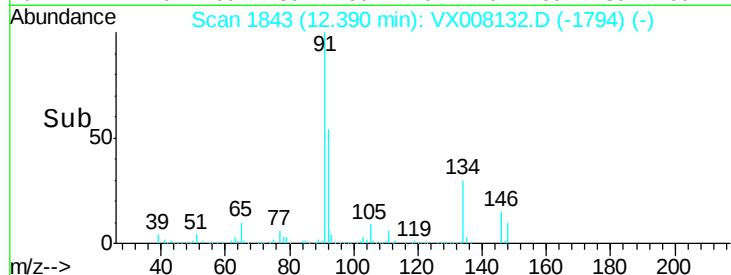
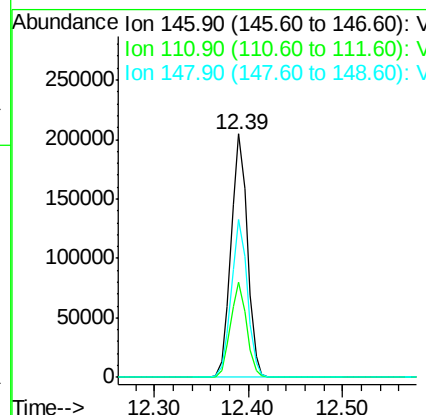
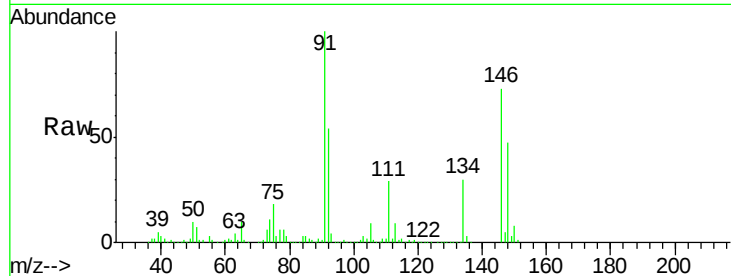
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	247197
Ion Ratio	Lower	Upper	
146	100		
111	38.2	19.6	58.8
148	63.9	31.9	95.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 51.059 ug/l

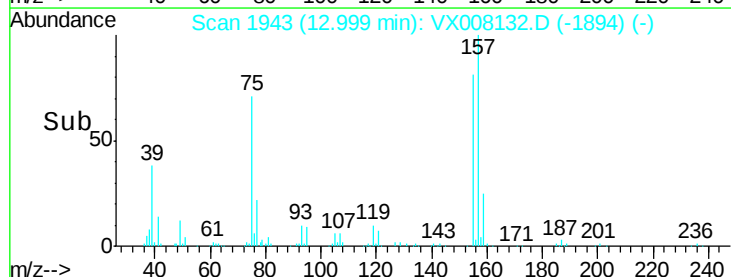
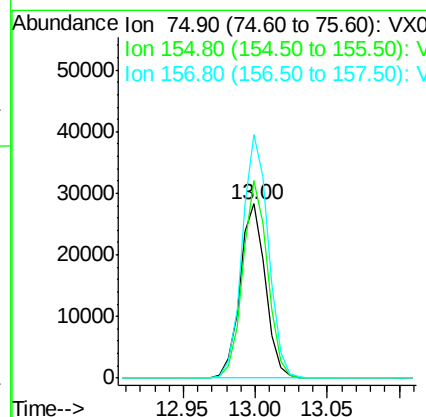
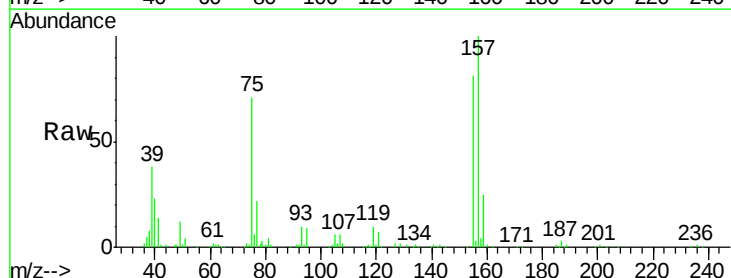
RT: 13.00 min Scan# 1943

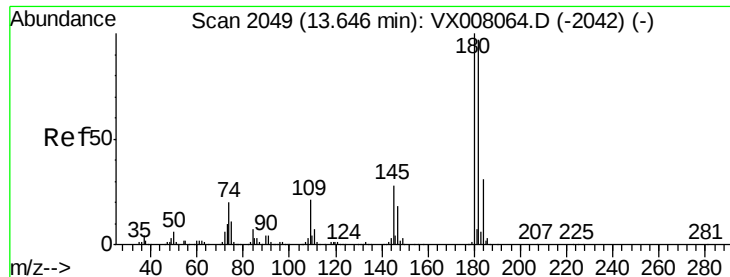
Delta R.T. -0.00 min

Lab File: VX008132.D

Acq: 16 Mar 2019 03:04

Tgt Ion:	75	Resp:	34862
Ion Ratio	Lower	Upper	
75	100		
155	109.6	49.7	149.1
157	141.6	63.8	191.4





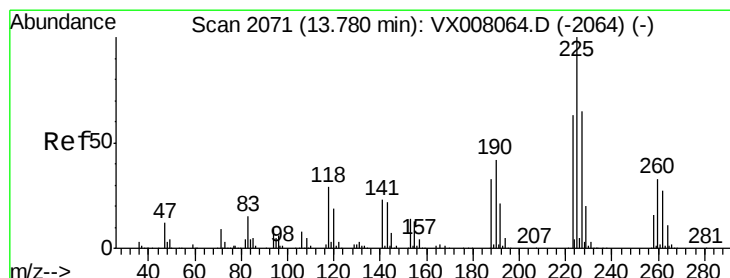
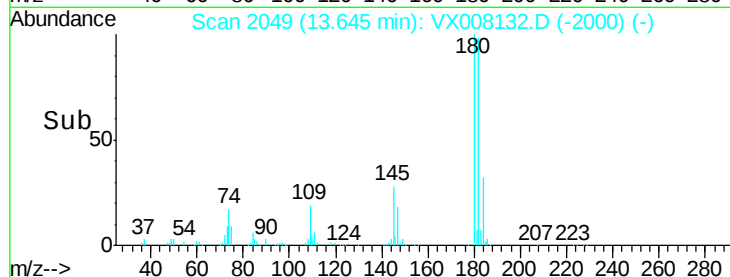
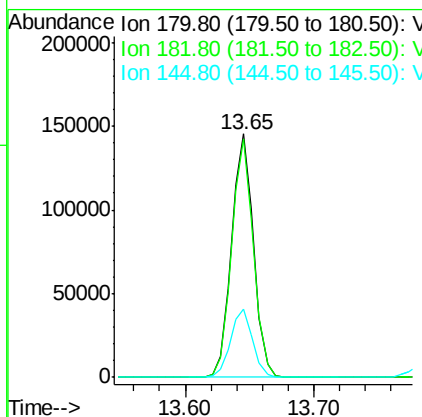
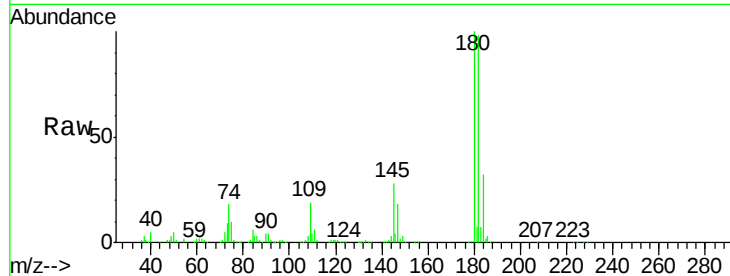
#93
 1,2,4-Trichlorobenzene
 Concen: 49.202 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008132.D
 Acq: 16 Mar 2019 03:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	173134		
182	96.9	47.9	143.7	
145	28.2	14.1	42.4	

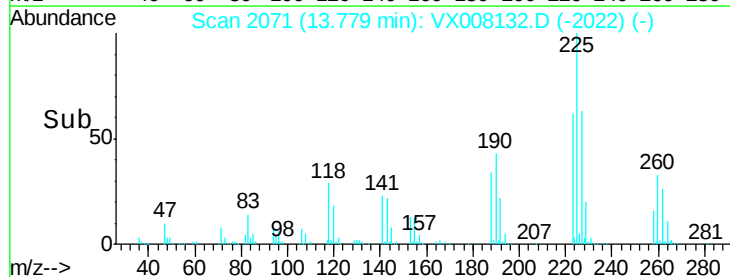
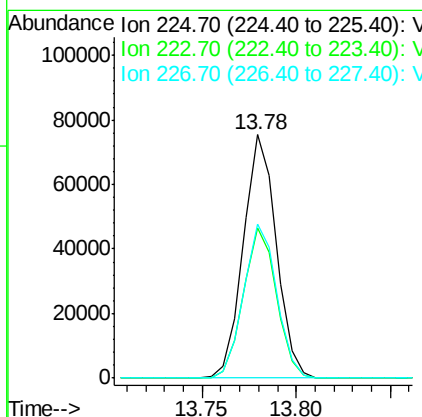
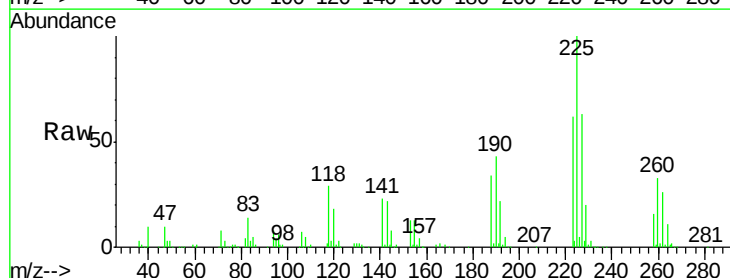
Manual Integrations
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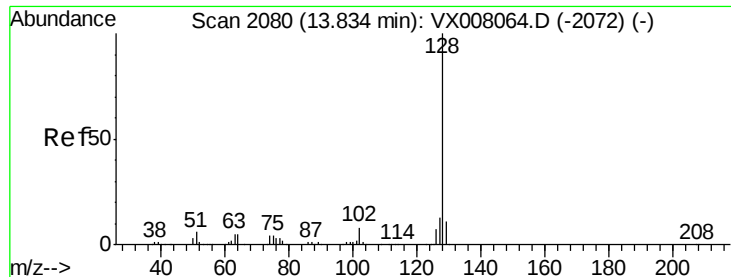
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#94
 Hexachlorobutadiene
 Concen: 47.779 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008132.D
 Acq: 16 Mar 2019 03:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	91344		
223	62.1	31.1	93.2	
227	63.9	32.0	96.0	





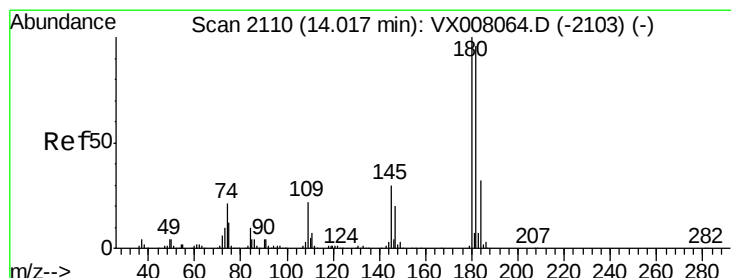
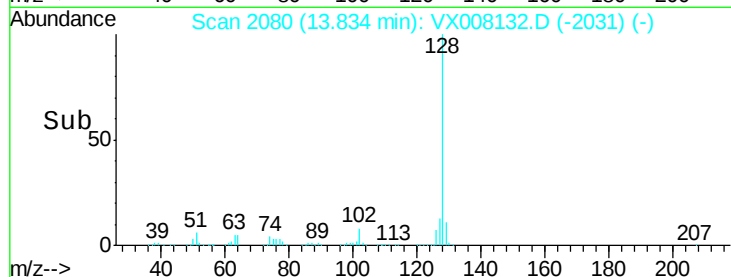
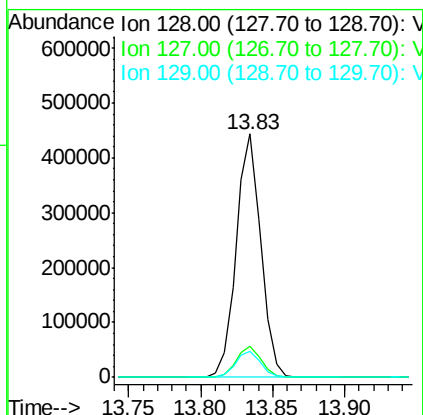
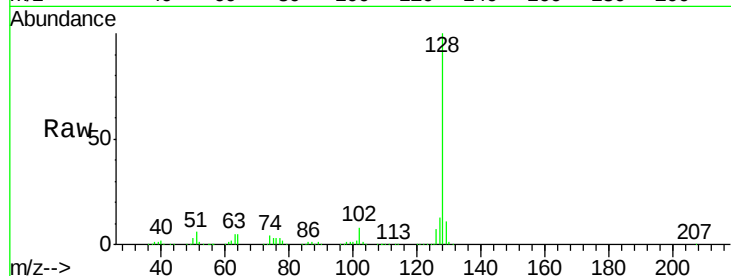
#95
Naphthalene
Concen: 53.363 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008132.D
Acq: 16 Mar 2019 03:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 51.551 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX008132.D
Acq: 16 Mar 2019 03:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.5	142.5
145	29.1	14.8	44.3

