

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060719\
 Data File : VX010117.D
 Acq On : 07 Jun 2019 18:37
 Operator : JC/SP
 Sample : VX0607WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0607WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 10:53:01 AM

Quant Time: Jun 08 03:42:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	319449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	488548	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	442195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	222361	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	153727	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
35) Dibromofluoromethane	5.50	113	147852	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
50) Toluene-d8	8.71	98	561994	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
62) 4-Bromofluorobenzene	11.13	95	208240	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	60504	20.584	ug/l	99
3) Chloromethane	1.33	50	57075	19.552	ug/l	98
4) Vinyl Chloride	1.41	62	53147	19.371	ug/l	98
5) Bromomethane	1.64	94	25201	24.341	ug/l	97
6) Chloroethane	1.72	64	29357	21.223	ug/l	95
7) Trichlorofluoromethane	1.93	101	79963	19.621	ug/l	98
8) Diethyl Ether	2.19	74	27093	19.288	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	2.38	101	52268	18.606	ug/l	91
10) Methyl Iodide	2.51	142	83536	19.192	ug/l	97
11) Tert butyl alcohol	3.04	59	83710	109.587	ug/l	98
12) 1,1-Dichloroethene	2.37	96	53333	18.587	ug/l	81
13) Acrolein	2.29	56	13857	99.487	ug/l	97
14) Allyl chloride	2.73	41	80316	18.544	ug/l #	87
15) Acrylonitrile	3.14	53	151331	96.924	ug/l	99
16) Acetone	2.44	43	128118	87.357	ug/l #	89
17) Carbon Disulfide	2.57	76	148775	17.945	ug/l	99
18) Methyl Acetate	2.78	43	60910	18.885	ug/l #	83
19) Methyl tert-butyl Ether	3.20	73	174275	18.905	ug/l	95
20) Methylene Chloride	2.85	84	60629	18.824	ug/l #	76
21) trans-1,2-Dichloroethene	3.17	96	58283	18.355	ug/l #	79
22) Diisopropyl ether	3.86	45	159842	19.302	ug/l #	79
23) Vinyl Acetate	3.81	43	720844	97.576	ug/l #	89
24) 1,1-Dichloroethane	3.70	63	94566	18.808	ug/l	96
25) 2-Butanone	4.67	43	209409	95.887	ug/l #	82
26) 2,2-Dichloropropane	4.59	77	79344	17.298	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	67555	19.124	ug/l	78
28) Bromochloromethane	5.02	49	40959	18.177	ug/l #	50
29) Tetrahydrofuran	5.13	42	131892	96.097	ug/l #	73
30) Chloroform	5.21	83	98645	18.892	ug/l	99
31) Cyclohexane	5.58	56	86766	19.121	ug/l #	75
32) 1,1,1-Trichloroethane	5.49	97	92351	18.813	ug/l #	93
36) 1,1-Dichloropropene	5.80	75	73649	18.478	ug/l	92
37) Ethyl Acetate	4.84	43	77388	18.661	ug/l #	90
38) Carbon Tetrachloride	5.79	117	81433	18.050	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.46	83	98961	18.233	ug/l #	83
40) Benzene	6.14	78	232596	18.872	ug/l	99
41) Methacrylonitrile	5.04	41	42488	18.940	ug/l #	84
42) 1,2-Dichloroethane	6.19	62	74196	18.857	ug/l	97
43) Isopropyl Acetate	6.44	43	130761	18.858	ug/l #	89
44) Trichloroethene	7.21	130	67945	18.289	ug/l	86
45) 1,2-Dichloropropane	7.51	63	58932	19.104	ug/l	99
46) Dibromomethane	7.66	93	42263	18.287	ug/l	91
47) Bromodichloromethane	7.90	83	79811	18.481	ug/l	99
48) Methyl methacrylate	7.77	41	62429	19.252	ug/l #	79
49) 1,4-Dioxane	7.74	88	35660	385.696	ug/l #	81
51) 4-Methyl-2-Pentanone	8.64	43	410195	99.025	ug/l	89
52) Toluene	8.79	92	152366	18.807	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	91021	18.222	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	97007	18.115	ug/l	91
55) 1,1,2-Trichloroethane	9.21	97	63904	19.260	ug/l	96
56) Ethyl methacrylate	9.18	69	100671	19.207	ug/l #	81
57) 1,3-Dichloropropane	9.37	76	97871	18.736	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	237026	95.928	ug/l #	86
59) 2-Hexanone	9.49	43	322729	97.716	ug/l	87
60) Dibromochloromethane	9.58	129	72573	18.492	ug/l	100
61) 1,2-Dibromoethane	9.67	107	69588	18.831	ug/l	99
64) Tetrachloroethene	9.34	164	60974	18.565	ug/l	97
65) Chlorobenzene	10.13	112	171089	18.746	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	66755	19.020	ug/l	99
67) Ethyl Benzene	10.25	91	290841	18.720	ug/l	94
68) m/p-Xylenes	10.36	106	226637	37.696	ug/l	90
69) o-Xylene	10.69	106	112681	18.854	ug/l	88
70) Styrene	10.71	104	190041	18.775	ug/l	96
71) Bromoform	10.85	173	59665	18.492	ug/l #	96
73) Isopropylbenzene	11.02	105	290809	18.735	ug/l	95
74) N-amyl acetate	10.90	43	116930	19.057	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.27	83	101303	19.065	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	86036m	19.344	ug/l	
77) Bromobenzene	11.25	156	78910	18.486	ug/l	83
78) n-propylbenzene	11.36	91	321154	18.585	ug/l	94
79) 2-Chlorotoluene	11.42	91	189759	18.283	ug/l	90
80) 1,3,5-Trimethylbenzene	11.51	105	244702	18.717	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	36300	18.033	ug/l #	83
82) 4-Chlorotoluene	11.51	91	219273	18.598	ug/l	91
83) tert-Butylbenzene	11.77	119	247521	18.705	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	246579	18.672	ug/l	96
85) sec-Butylbenzene	11.94	105	281521	18.261	ug/l	95
86) p-Isopropyltoluene	12.06	119	260001	18.448	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	137794	18.327	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	137066	18.084	ug/l	98
89) n-Butylbenzene	12.38	91	218991	18.051	ug/l	96
90) Hexachloroethane	12.60	117	50873	18.120	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	138934	19.007	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	23724	18.974	ug/l	72

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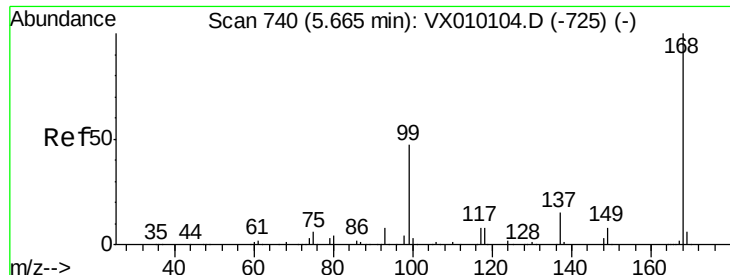
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	95582	17.864	ug/l	98
94) Hexachlorobutadiene	13.78	225	41856	17.590	ug/l	99
95) Naphthalene	13.83	128	317012	18.822	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	96946	18.325	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010117.D

Acq: 07 Jun 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

VX0607WBSD01

Tot Ion:168 Resp: 319449

Ion Ratio Lower Upper

168 100

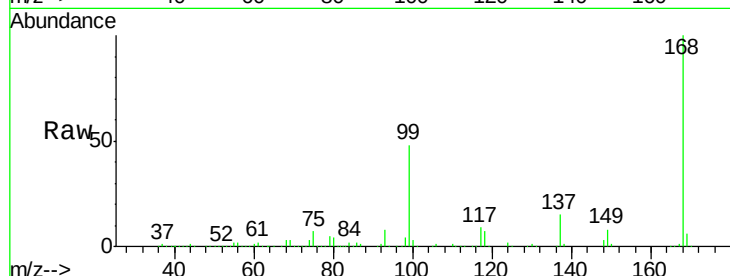
99 47.8 43.0 64.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

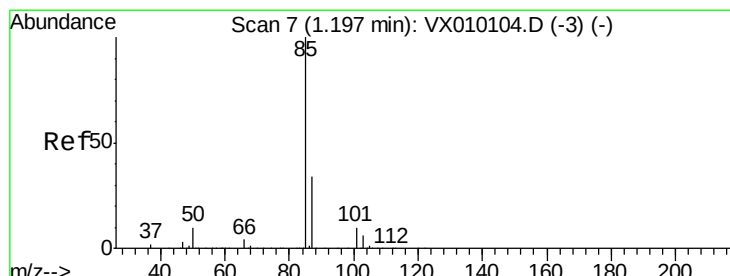
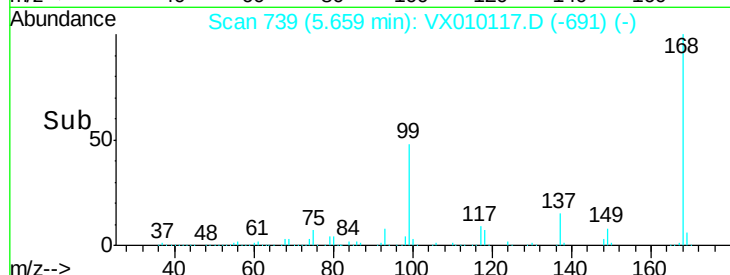
5.66

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.584 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010117.D

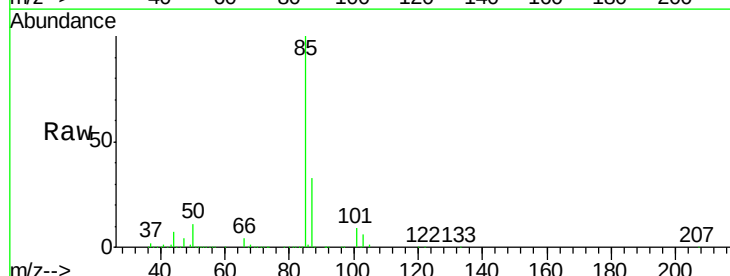
Acq: 07 Jun 2019 18:37

Tgt Ion: 85 Resp: 60504

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

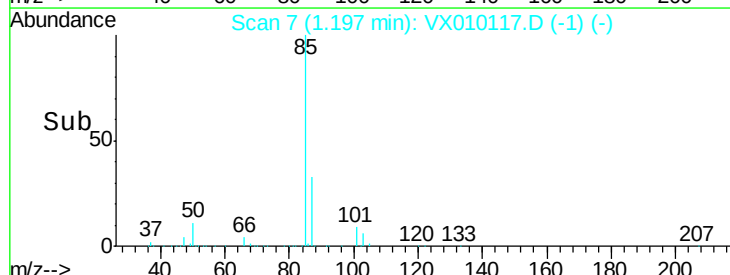
60000

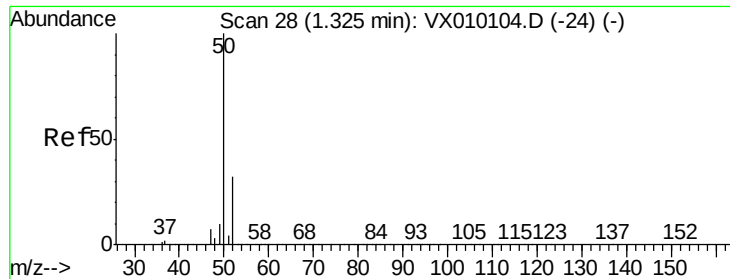
40000

20000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 19.552 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010117.D

Acq: 07 Jun 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

VX0607WBSD01

Tot Ion: 50 Resp: 57075

Ion Ratio Lower Upper

50 100

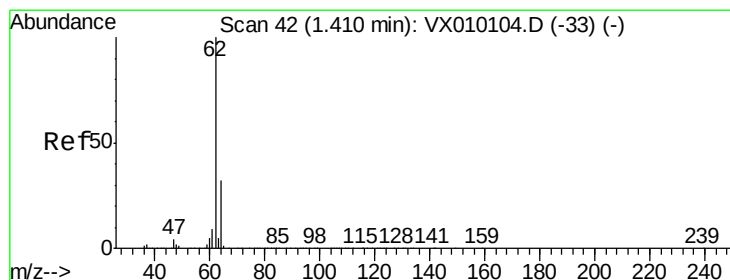
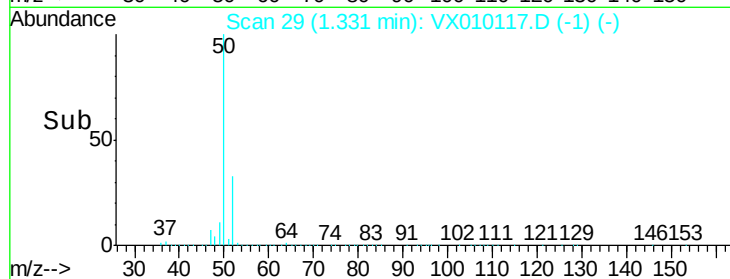
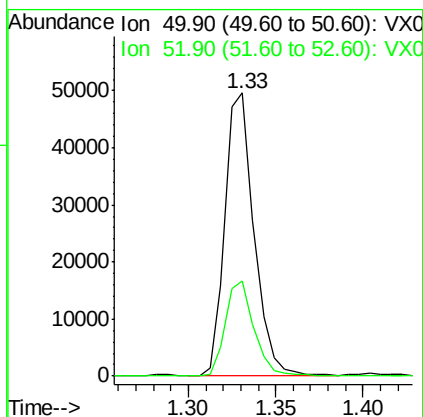
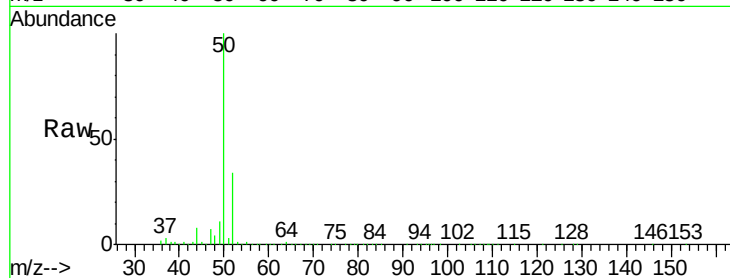
52 33.6 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.371 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010117.D

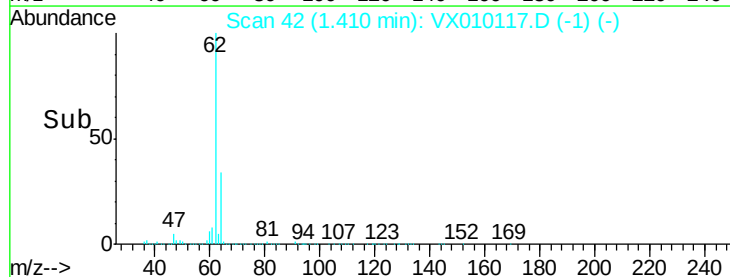
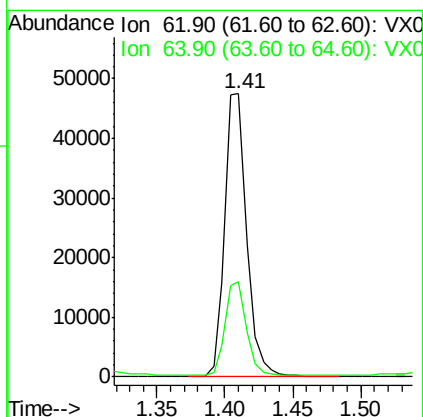
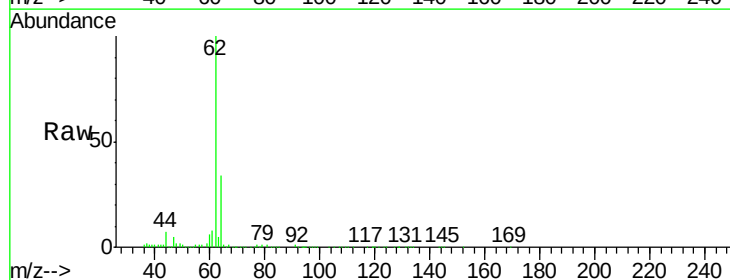
Acq: 07 Jun 2019 18:37

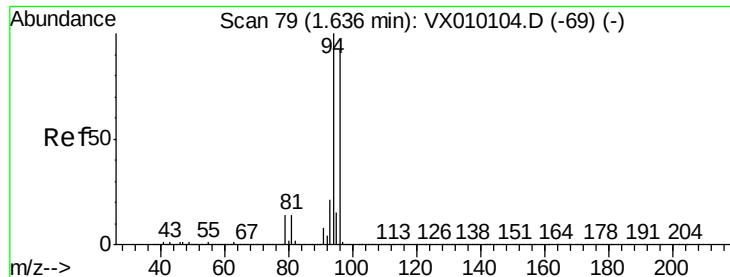
Tgt Ion: 62 Resp: 53147

Ion Ratio Lower Upper

62 100

64 33.0 25.7 38.5





#5

Bromomethane

Concen: 24.341 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010117.D

Acq: 07 Jun 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

VX0607WBSD01

Tot Ion: 94 Resp: 25201

Ion Ratio Lower Upper

94 100

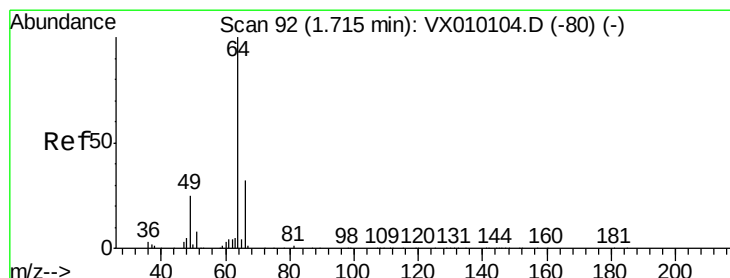
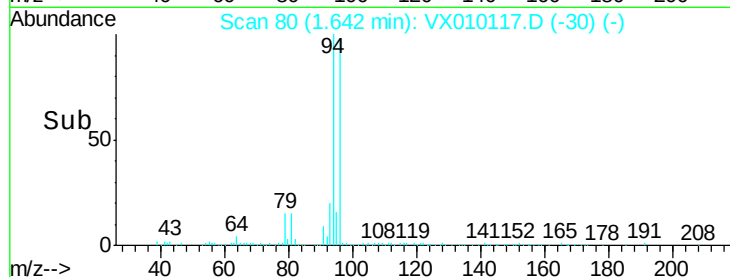
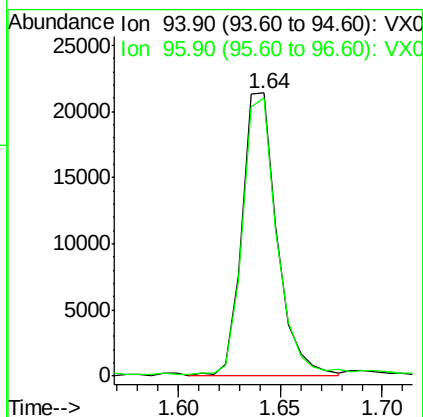
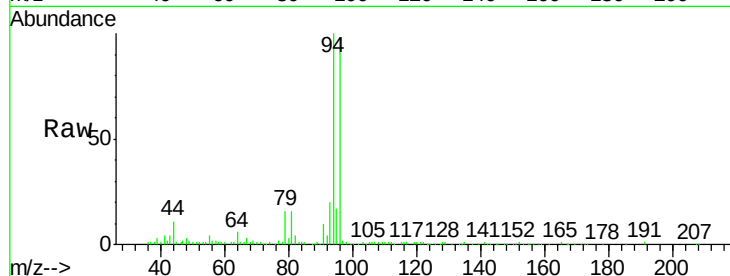
96 97.8 76.2 114.4

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#6

Chloroethane

Concen: 21.223 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010117.D

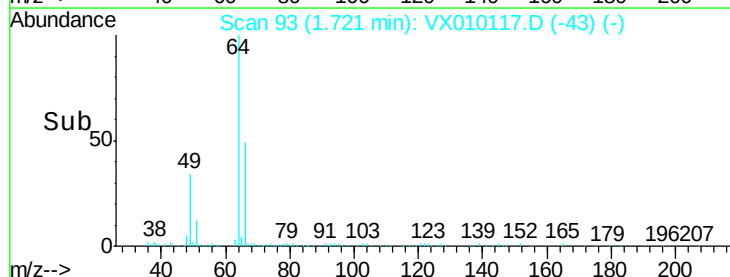
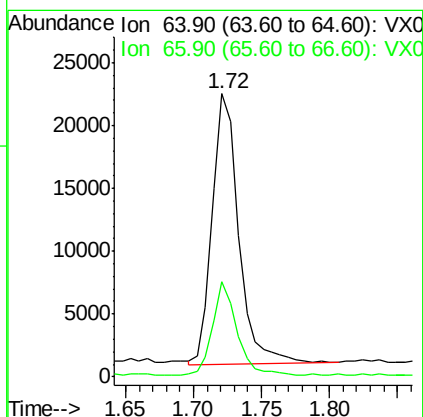
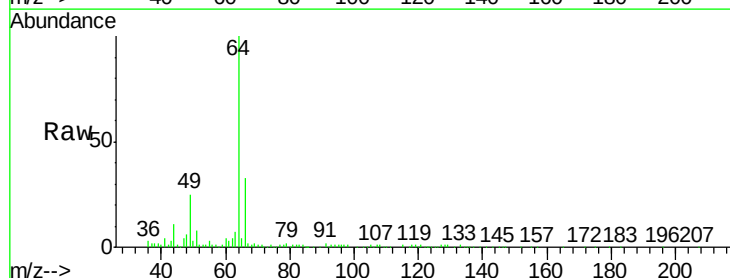
Acq: 07 Jun 2019 18:37

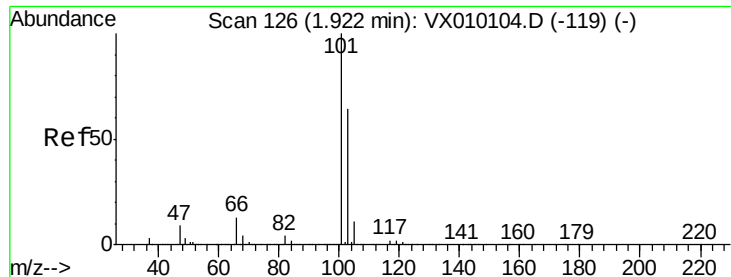
Tgt Ion: 64 Resp: 29357

Ion Ratio Lower Upper

64 100

66 34.1 25.1 37.7





#7

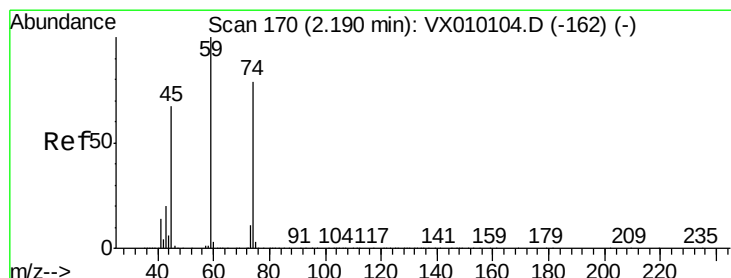
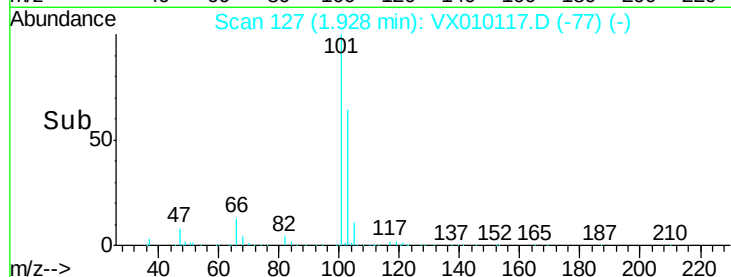
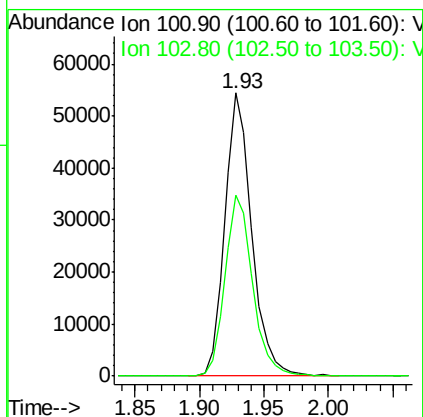
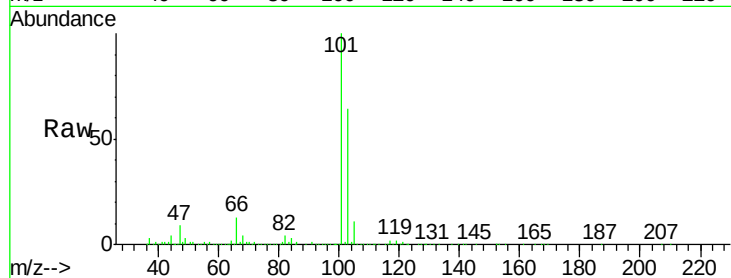
Trichlorofluoromethane
Concen: 19.621 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Instrument :
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ClientSampleId :
VX0607WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.2	78.4

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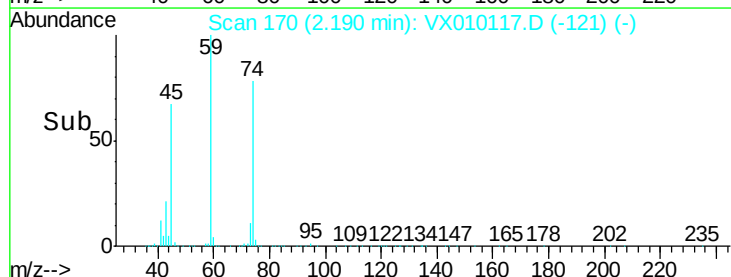
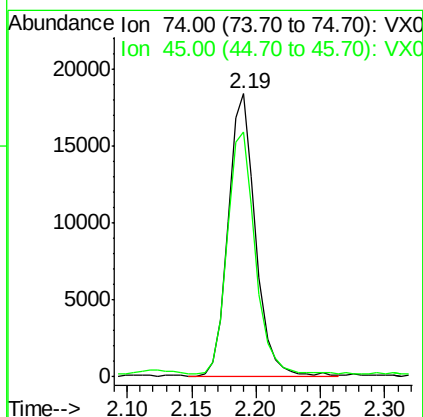
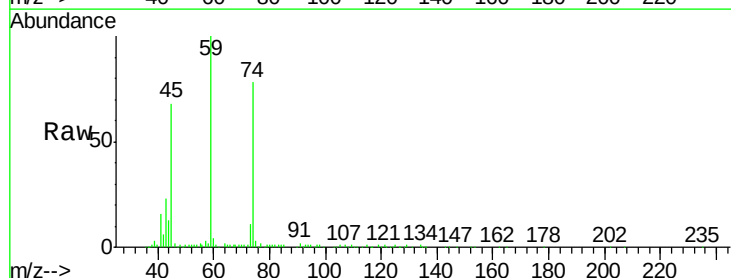
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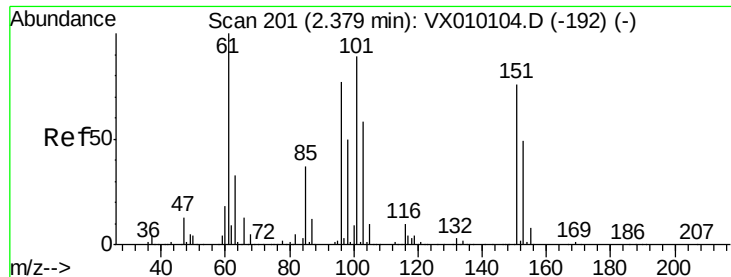


#8

Diethyl Ether
Concen: 19.288 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.1	56.1	168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.606 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010117.D

Acq: 07 Jun 2019 18:37

Instrument :

MSVOA_X

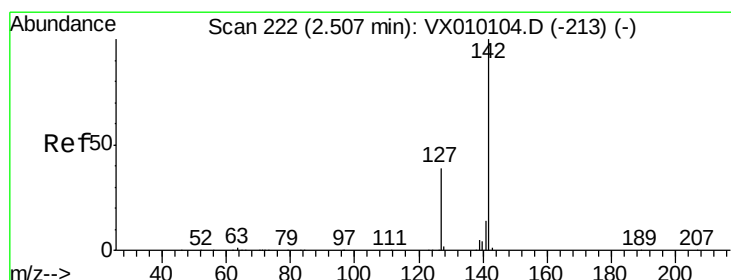
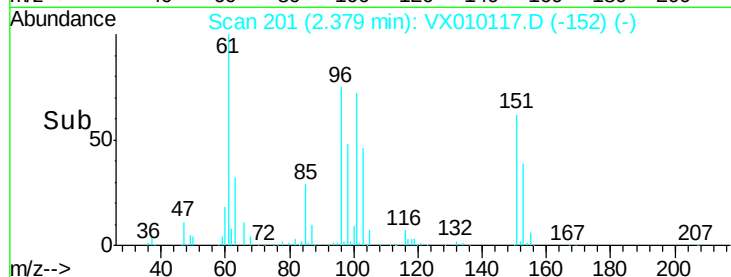
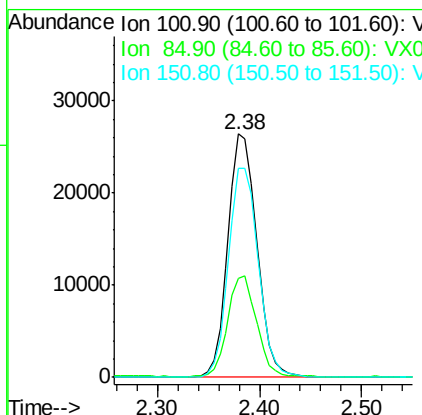
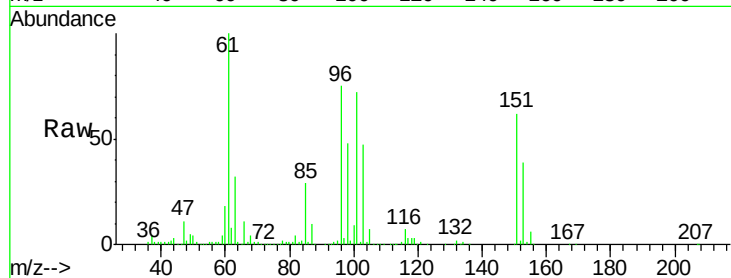
ClientSampled :

VX0607WBSD01

Tot Ion:	101	Resp:	52268
Ion Ratio	Lower	Upper	
101	100		
85	42.0	35.2	52.8
151	88.4	61.9	92.9

Manual Integrations
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#10

Methyl Iodide

Concen: 19.192 ug/l

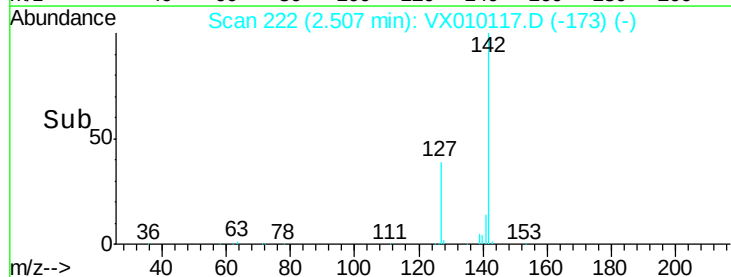
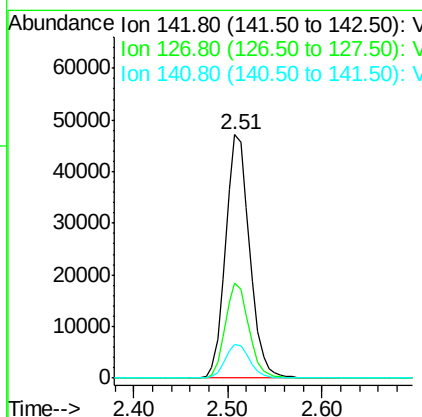
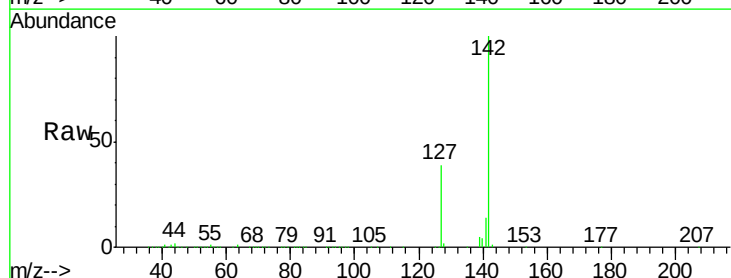
RT: 2.51 min Scan# 222

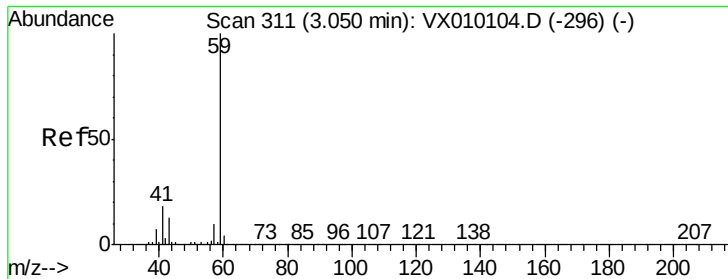
Delta R.T. 0.00 min

Lab File: VX010117.D

Acq: 07 Jun 2019 18:37

Tgt Ion:	142	Resp:	83536
Ion Ratio	Lower	Upper	
142	100		
127	38.5	33.0	49.4
141	14.4	11.4	17.0





#11

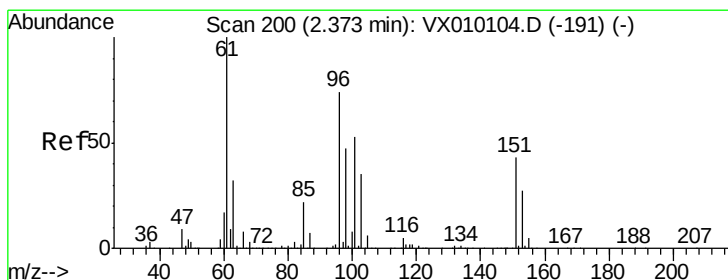
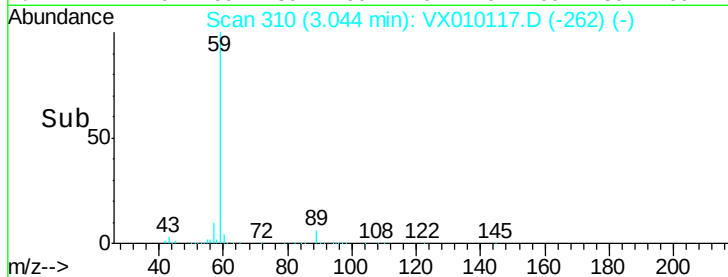
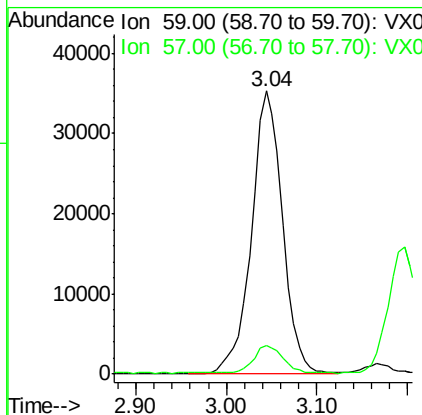
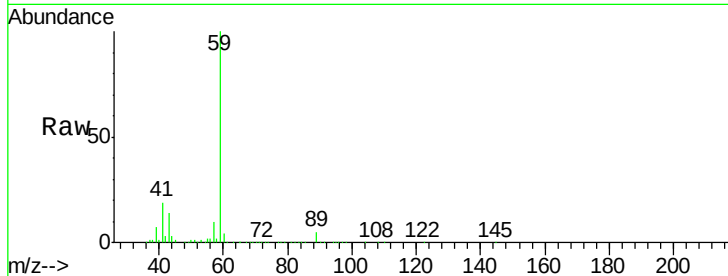
Tert butyl alcohol
Concen: 109.587 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Instrument :
MSVOA_X
ClientSampleId :
VX0607WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	83710		
57	9.3		8.2	12.2

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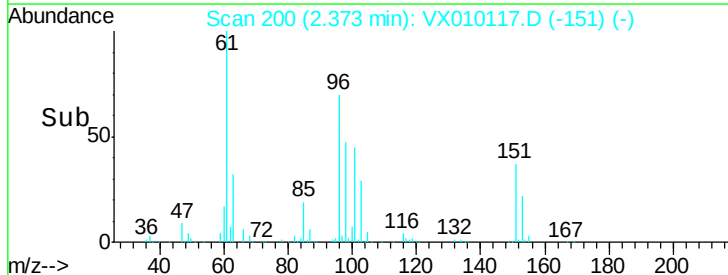
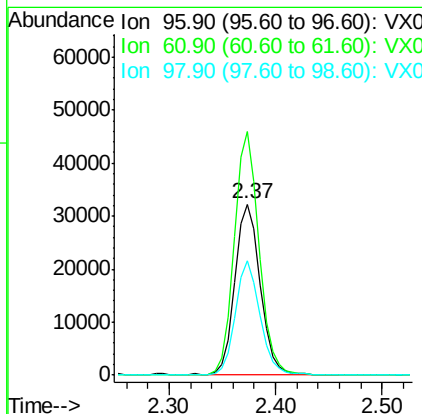
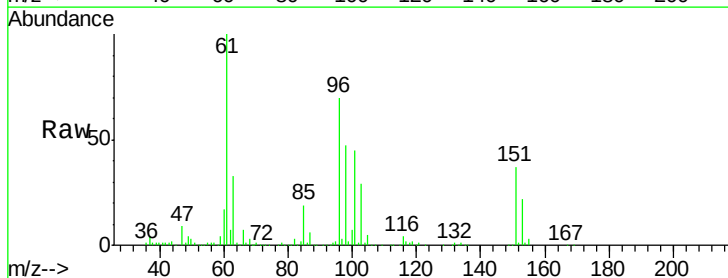
MMDadoda
6/10/2019 10:53:01 AM

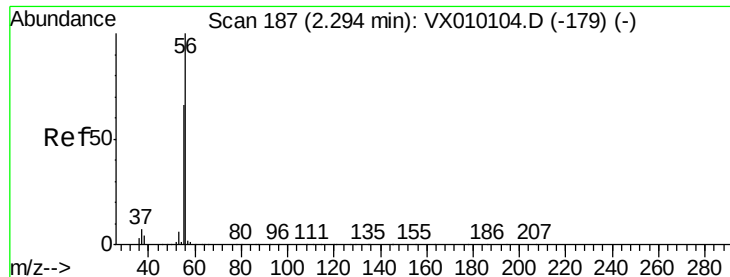


#12

1,1-Dichloroethene
Concen: 18.587 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	53333		
61	143.2		140.7	211.1
98	67.0		50.1	75.1





#13

Acrolein

Concen: 99.487 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010117.D

Acq: 07 Jun 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

VX0607WBSD01

Tot Ion: 56 Resp: 13857

Ion Ratio Lower Upper

56 100

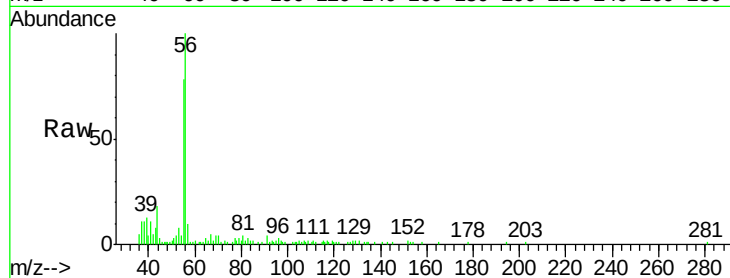
55 68.7 57.0 85.4

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

8000

6000

4000

2000

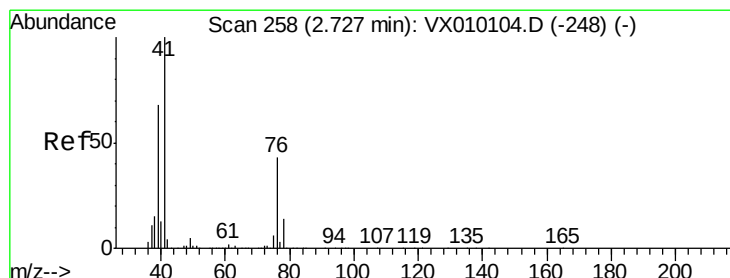
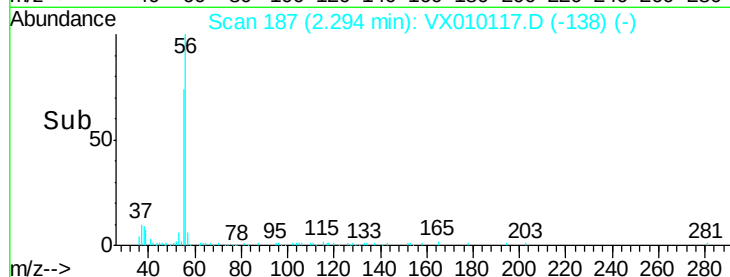
0

2.25

2.30

2.35

Time-->



#14

Allyl chloride

Concen: 18.544 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010117.D

Acq: 07 Jun 2019 18:37

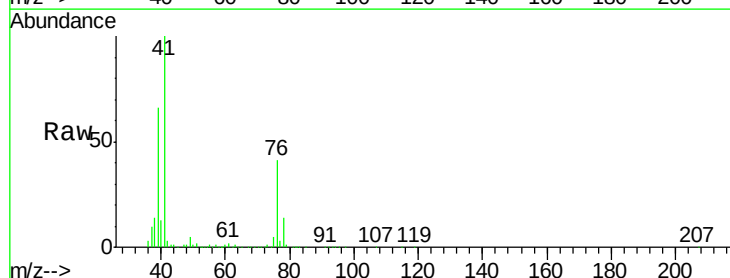
Tgt Ion: 41 Resp: 80316

Ion Ratio Lower Upper

41 100

39 63.6 46.7 70.1

76 39.3 21.0 31.4#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

50000

40000

30000

20000

10000

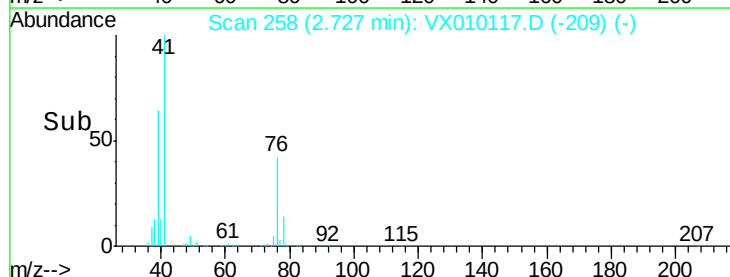
0

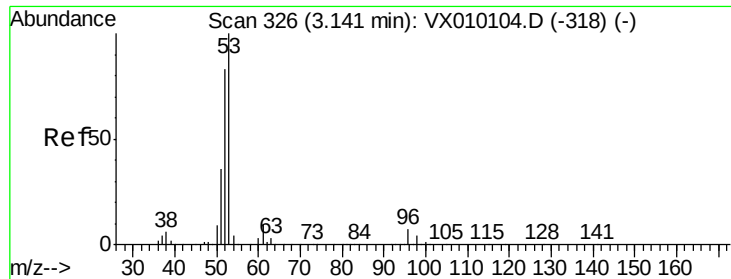
2.60

2.70

2.80

Time-->





#15

Acrylonitrile

Concen: 96.924 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010117.D

Acq: 07 Jun 2019 18:37

Instrument :

MSVOA_X

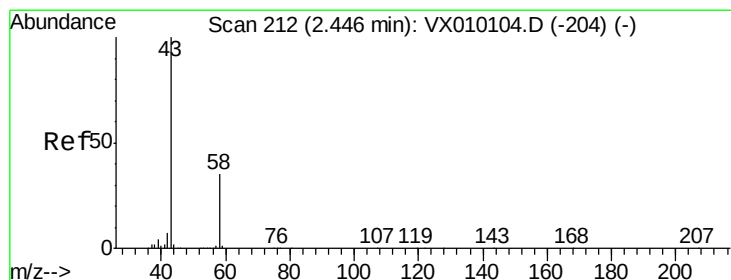
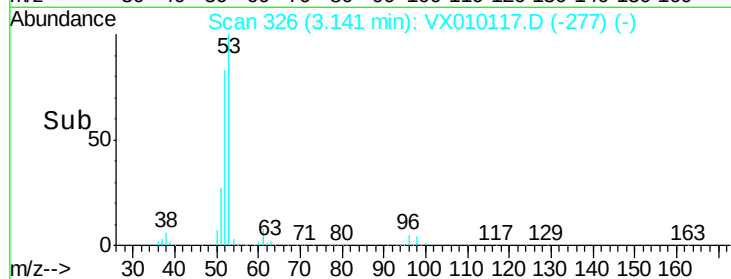
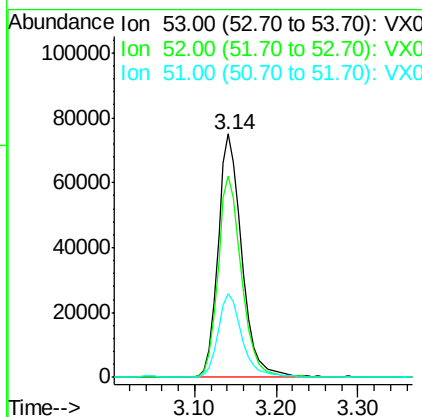
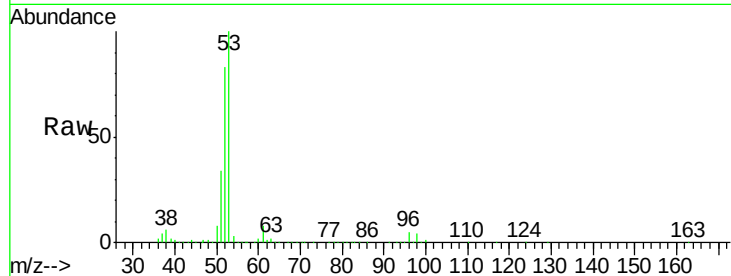
ClientSampleId :

VX0607WBSD01

Tot Ion:	53	Resp:	151331
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.7	100.1
51	34.7	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 87.357 ug/l

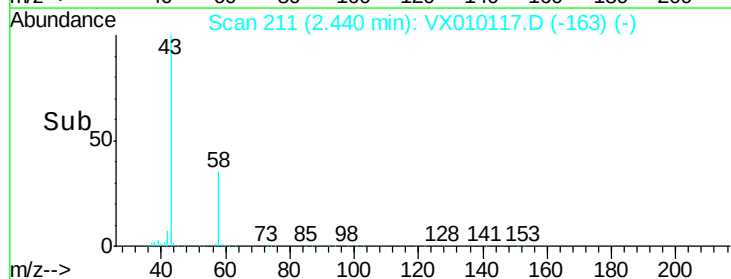
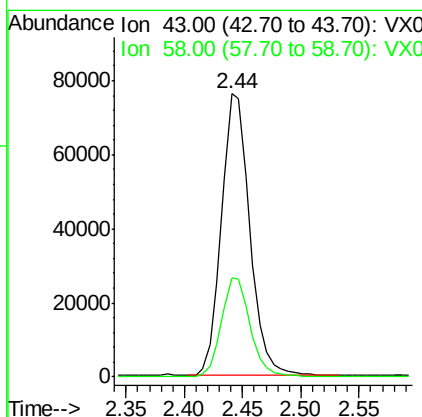
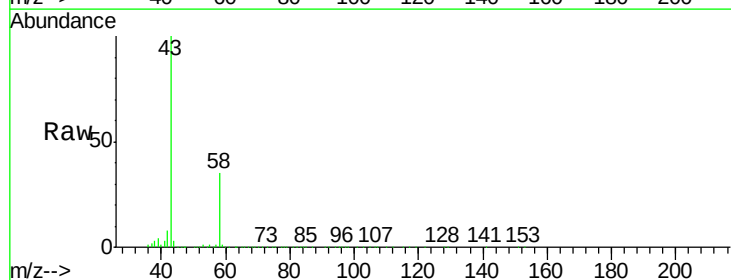
RT: 2.44 min Scan# 211

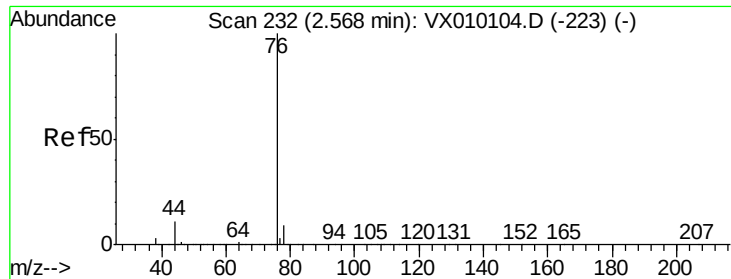
Delta R.T. -0.01 min

Lab File: VX010117.D

Acq: 07 Jun 2019 18:37

Tgt Ion:	43	Resp:	128118
Ion	Ratio	Lower	Upper
43	100		
58	34.8	23.2	34.8#





#17

Carbon Disulfide

Concen: 17.945 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010117.D

Acq: 07 Jun 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

VX0607WBSD01

Tot Ion: 76 Resp: 148775

Ion Ratio Lower Upper

76 100

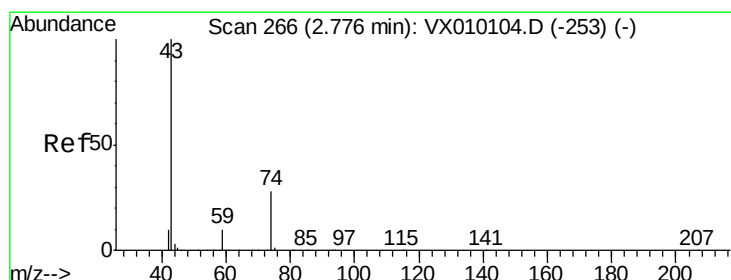
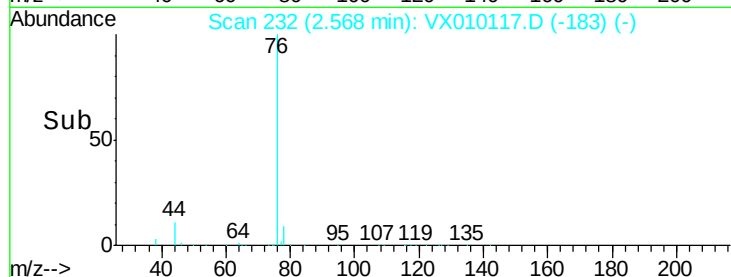
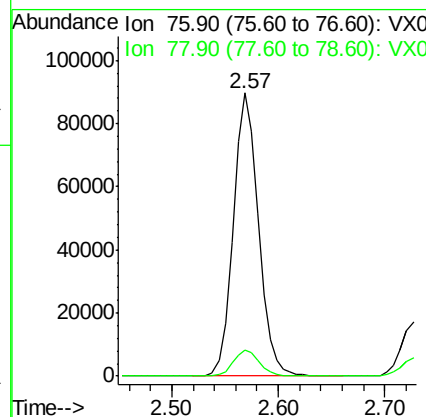
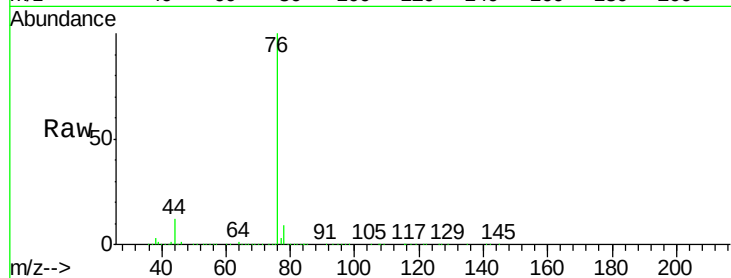
78 9.0 7.0 10.6

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#18

Methyl Acetate

Concen: 18.885 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010117.D

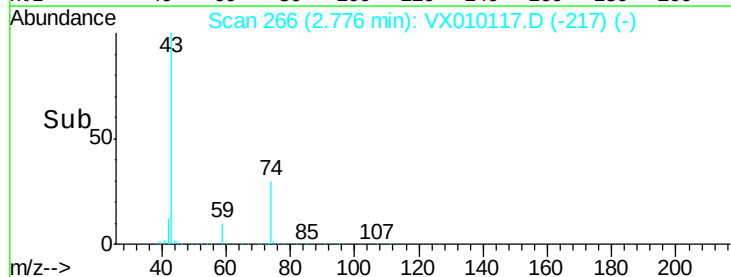
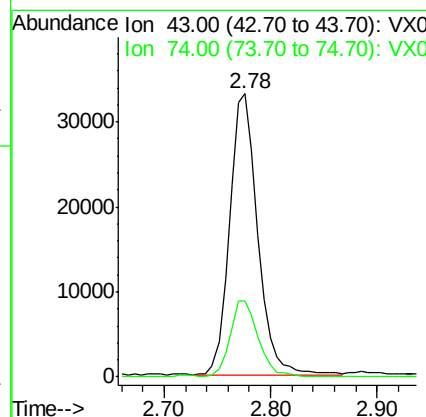
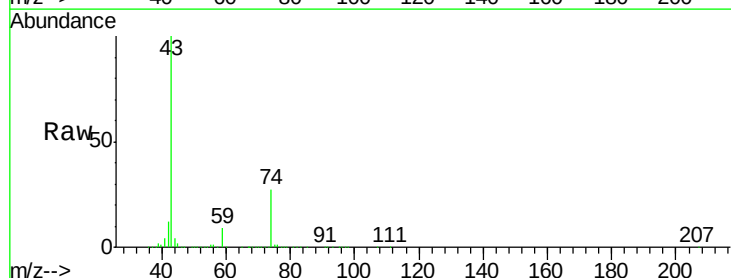
Acq: 07 Jun 2019 18:37

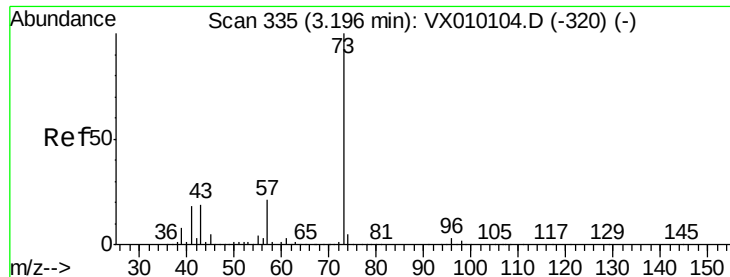
Tgt Ion: 43 Resp: 60910

Ion Ratio Lower Upper

43 100

74 27.5 15.8 23.6#





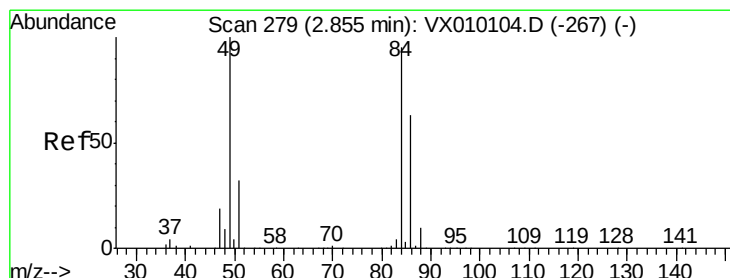
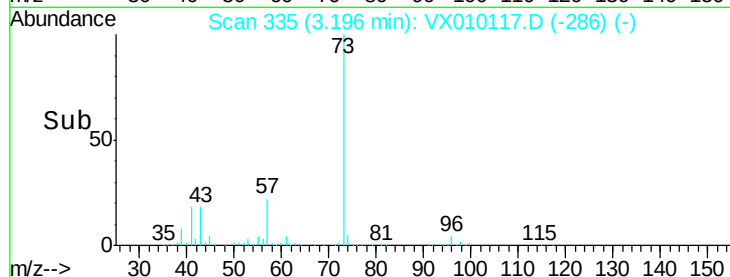
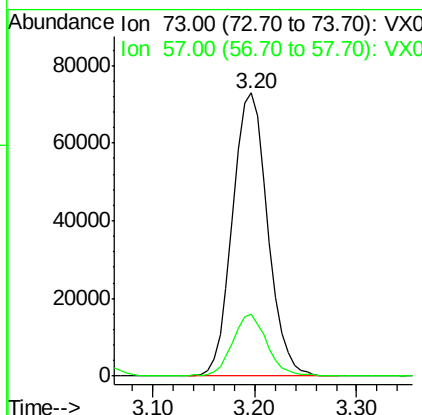
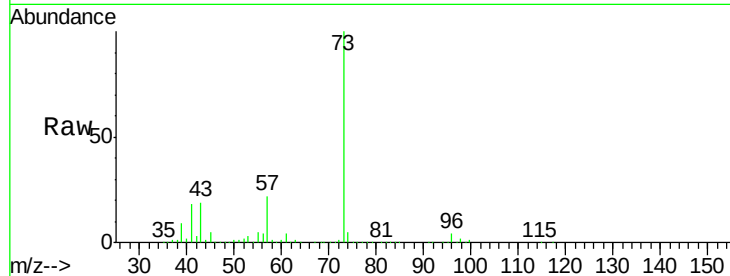
#19
Methyl tert-butyl Ether
Concen: 18.905 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Instrument :
MSVOA_X
ClientSampleId :
VX0607WBSD01

Tot Ion: 73 Resp: 174275
Ion Ratio Lower Upper
73 100
57 21.6 19.4 29.2

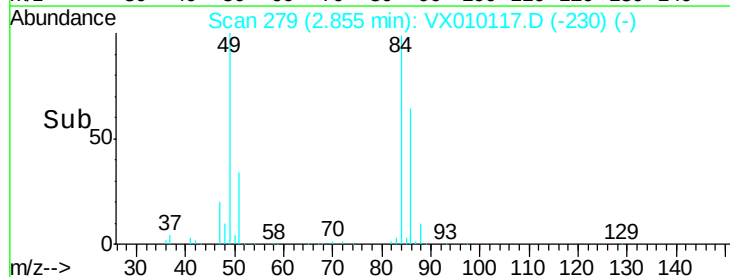
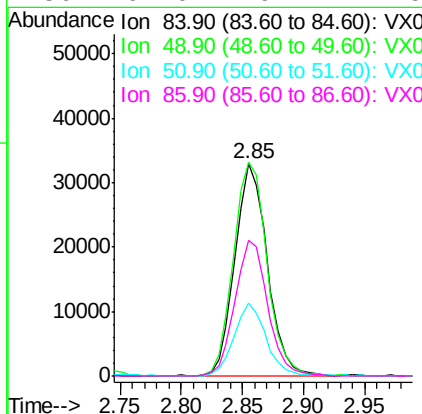
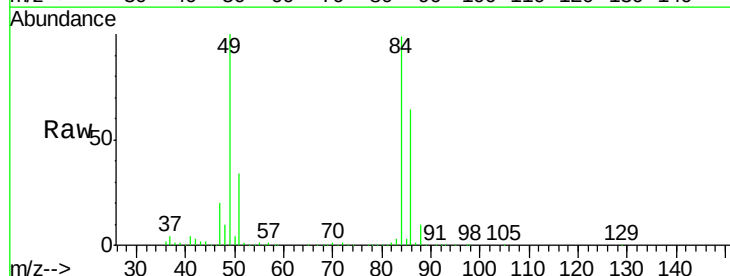
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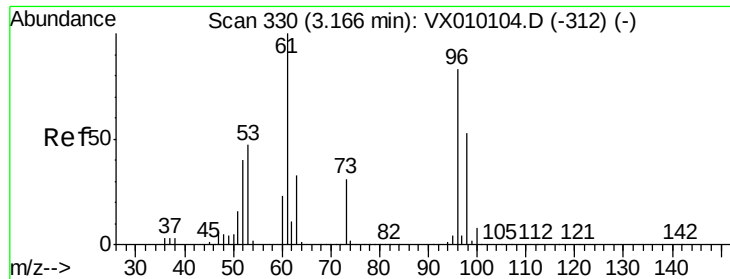
MMDadoda
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#20
Methylene Chloride
Concen: 18.824 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Tgt Ion: 84 Resp: 60629
Ion Ratio Lower Upper
84 100
49 100.5 115.8 173.6#
51 34.4 34.4 51.6#
86 64.0 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 18.355 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010117.D

Acq: 07 Jun 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

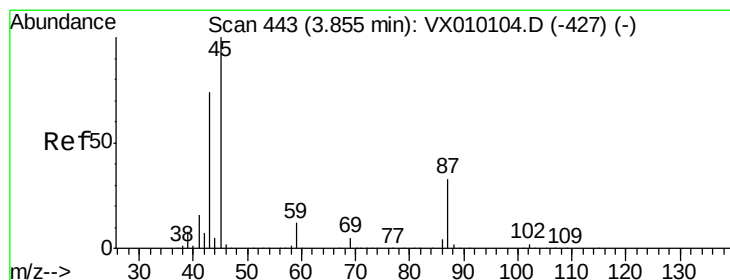
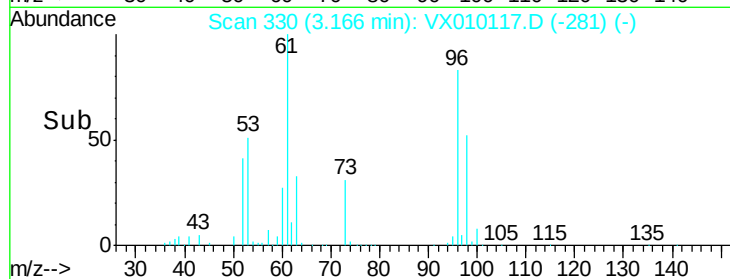
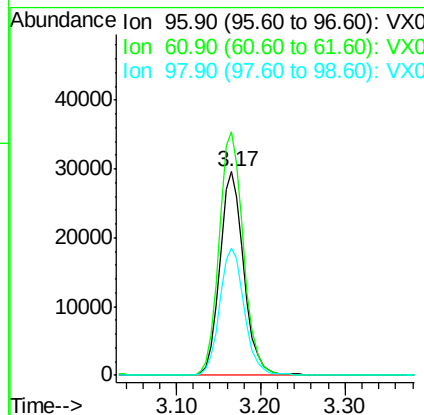
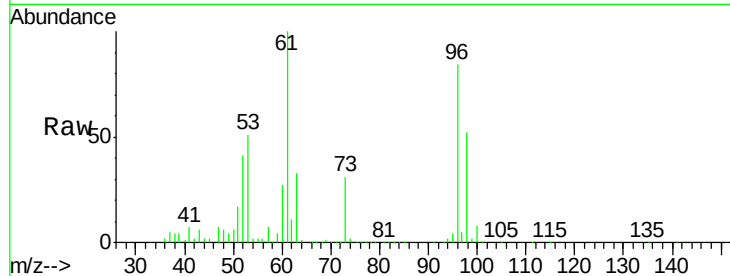
VX0607WBSD01

Tot Ion: 96 Resp: 58283

Ion	Ratio	Lower	Upper
96	100		
61	119.3	125.7	188.5#
98	62.2	49.0	73.6

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#22

Diisopropyl ether

Concen: 19.302 ug/l

RT: 3.86 min Scan# 444

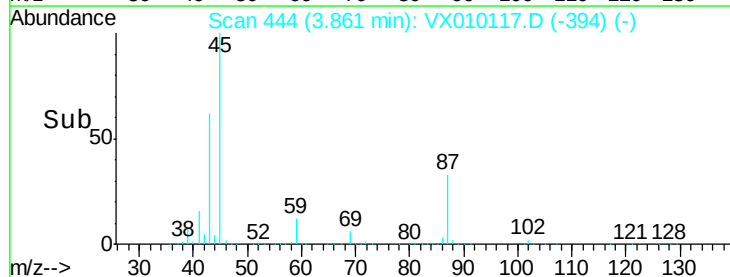
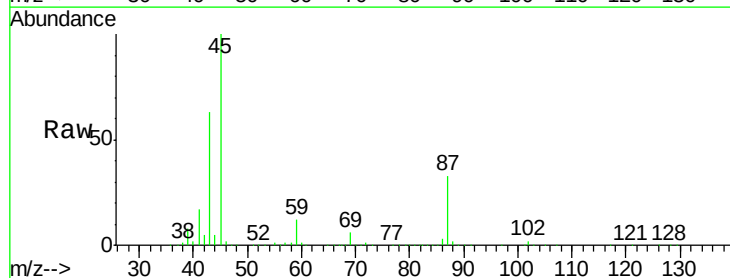
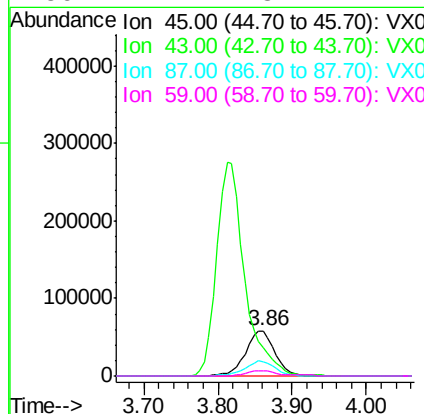
Delta R.T. 0.01 min

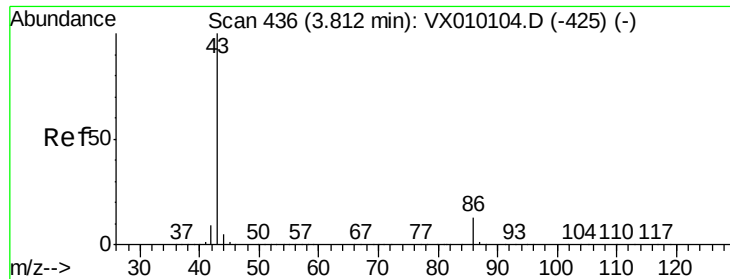
Lab File: VX010117.D

Acq: 07 Jun 2019 18:37

Tgt Ion: 45 Resp: 159842

Ion	Ratio	Lower	Upper
45	100		
43	62.1	65.0	97.4#
87	32.9	17.3	25.9#
59	12.1	8.1	12.1





#23

Vinyl Acetate

Concen: 97.576 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX010117.D

Acq: 07 Jun 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

VX0607WBSD01

Tot Ion: 43 Resp: 720844

Ion Ratio Lower Upper

43 100

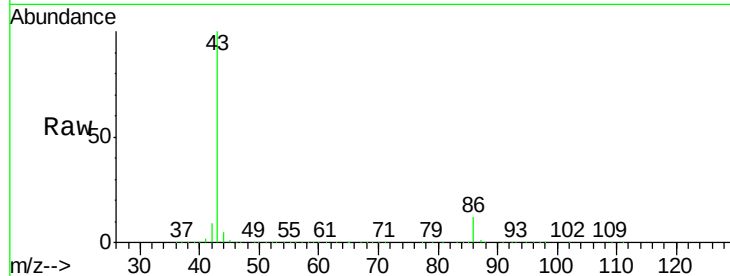
86 11.8 6.5 9.7#

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

300000

250000

200000

150000

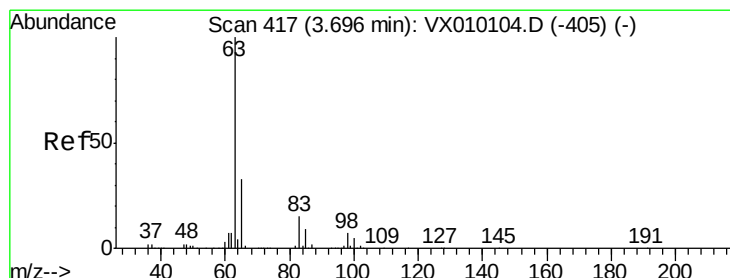
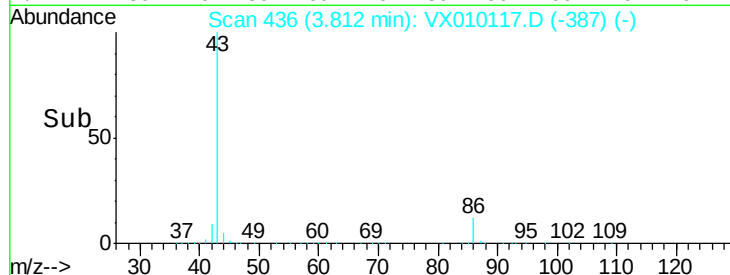
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 18.808 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010117.D

Acq: 07 Jun 2019 18:37

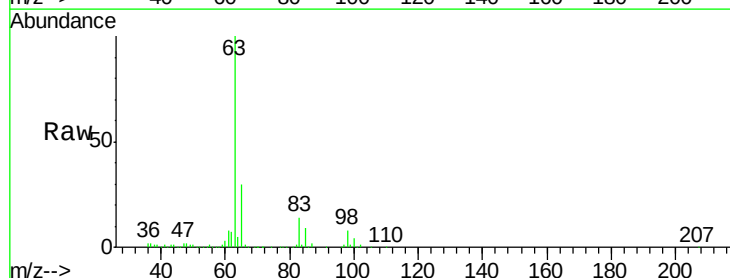
Tgt Ion: 63 Resp: 94566

Ion Ratio Lower Upper

63 100

98 7.6 2.9 8.8

100 4.4 1.8 5.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

50000

40000

30000

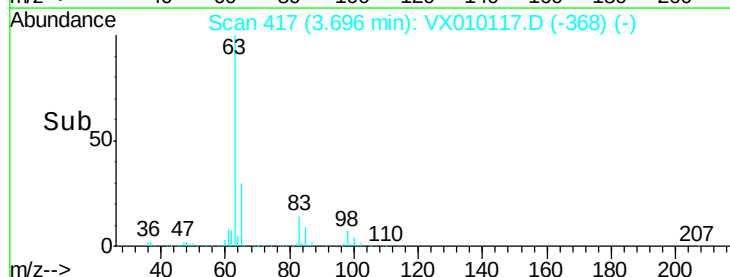
20000

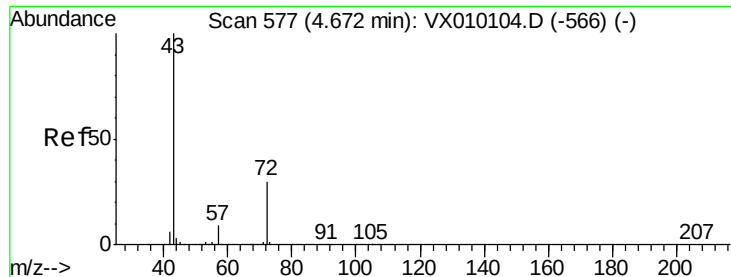
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 95.887 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010117.D

Acq: 07 Jun 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

VX0607WBSD01

Tot Ion: 43 Resp: 209409

Ion Ratio Lower Upper

43 100

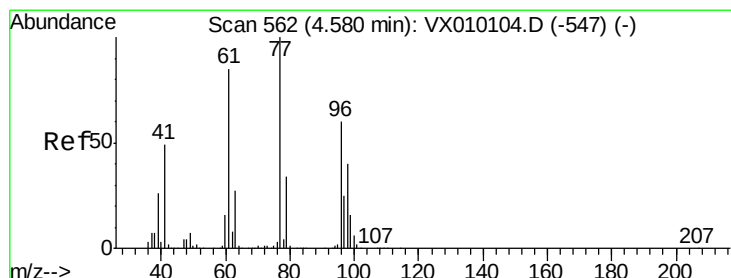
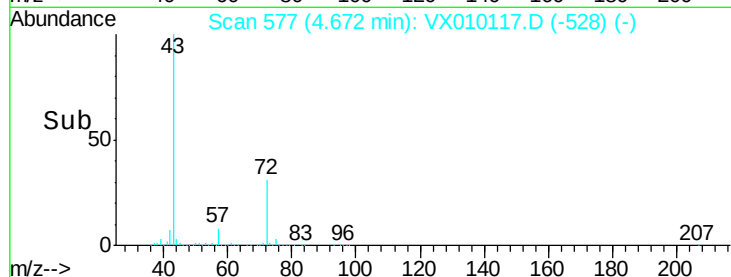
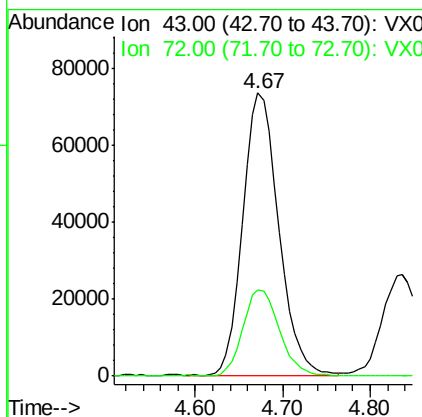
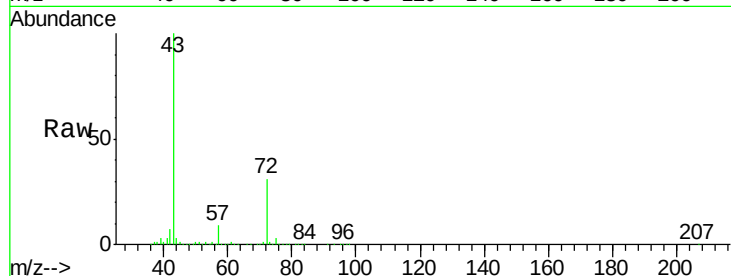
72 30.4 17.5 26.3#

Manual Integrations

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6/10/2019 10:53:01 AM



#26

2,2-Dichloropropane

Concen: 17.298 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010117.D

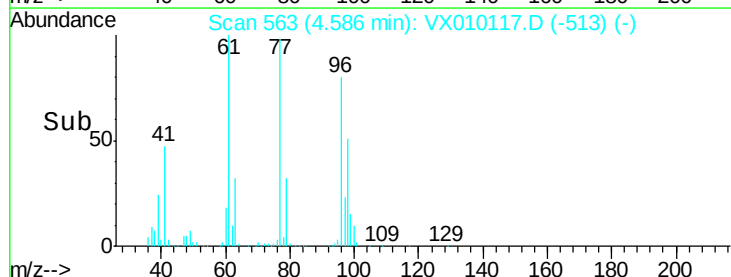
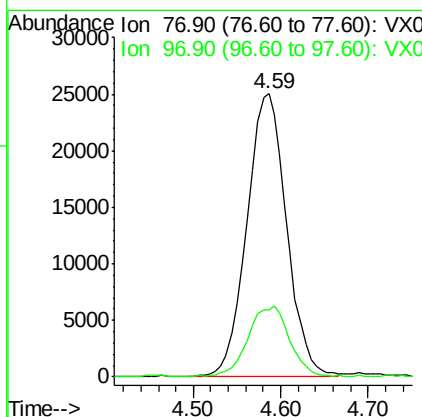
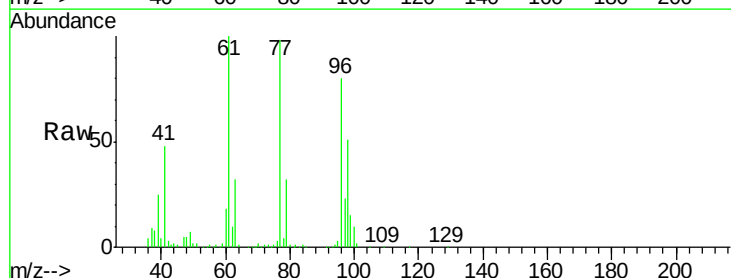
Acq: 07 Jun 2019 18:37

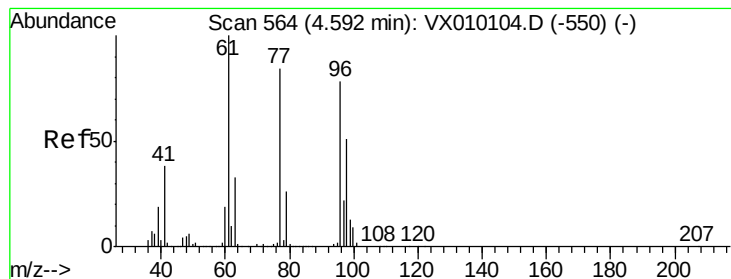
Tgt Ion: 77 Resp: 79344

Ion Ratio Lower Upper

77 100

97 25.7 11.4 34.2





#27

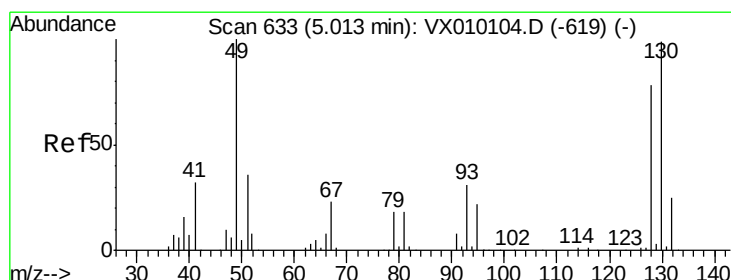
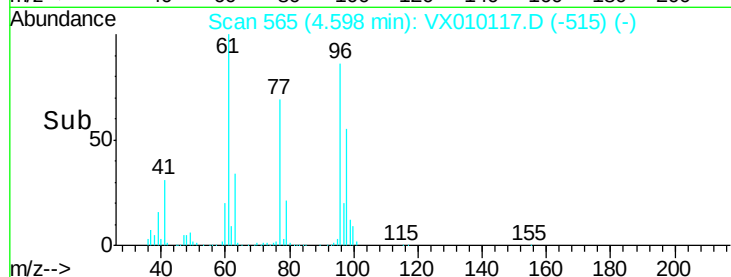
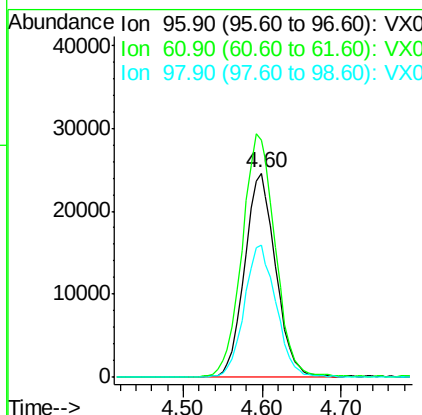
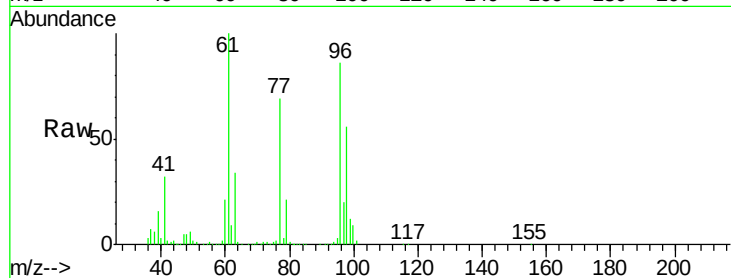
cis-1,2-Dichloroethene
Concen: 19.124 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Instrument :
MSVOA_X
ClientSampleId :
VX0607WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.6	0.0	334.0
98	65.3	0.0	131.6

Manual Integrations
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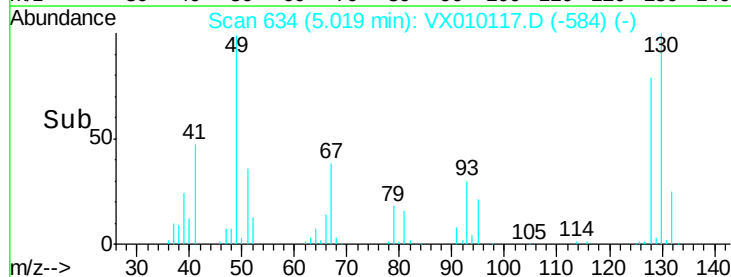
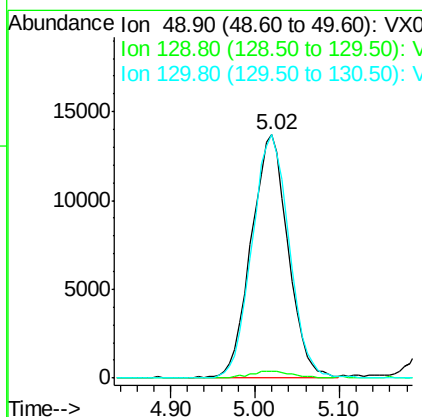
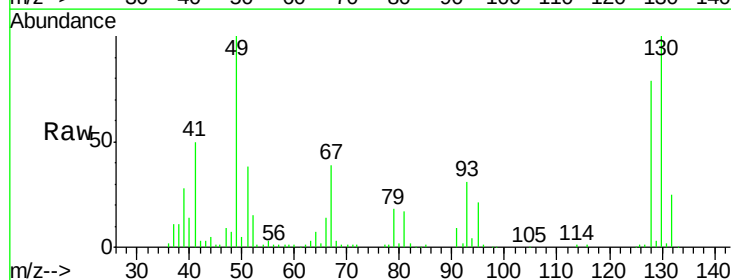
MMDadoda
6/10/2019 10:53:01 AM

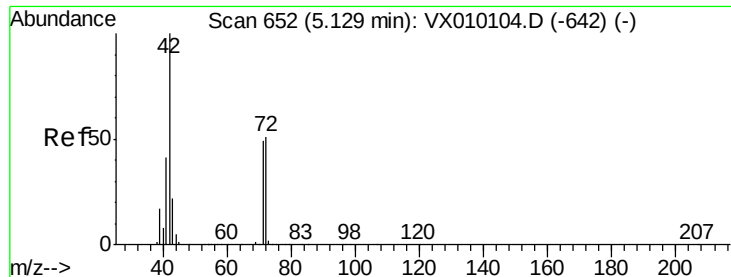


#28

Bromochloromethane
Concen: 18.177 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.3	0.0	3.4
130	101.2	49.4	74.2#





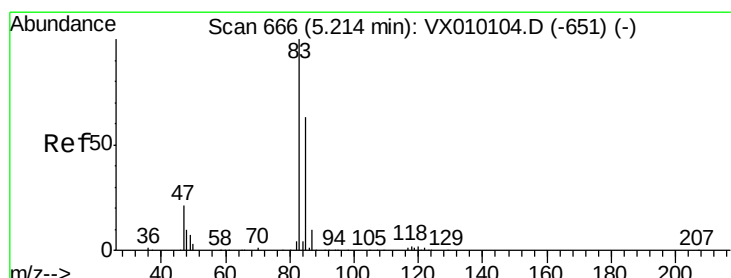
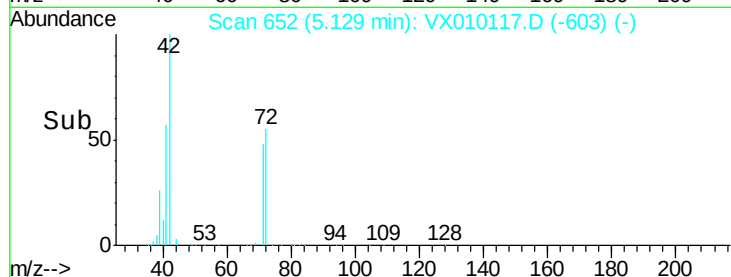
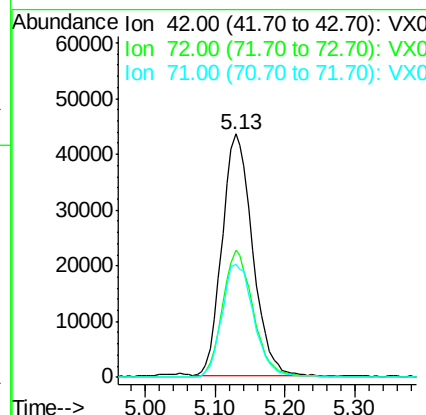
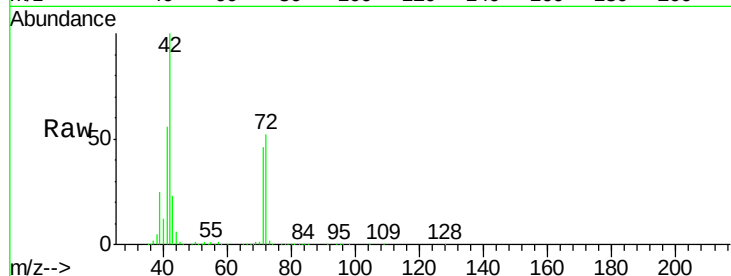
#29
Tetrahydrofuran
Concen: 96.097 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Instrument :
MSVOA_X
ClientSampleId :
VX0607WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	53.0	29.2	43.8#
71	49.1	27.6	41.4#

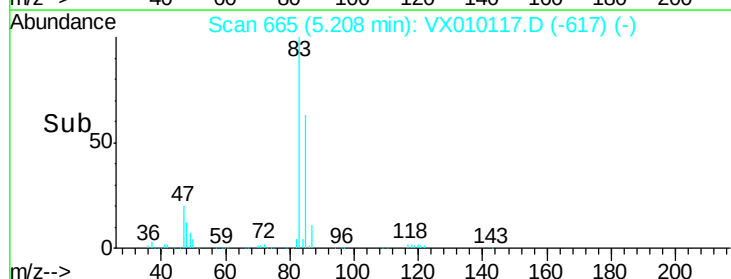
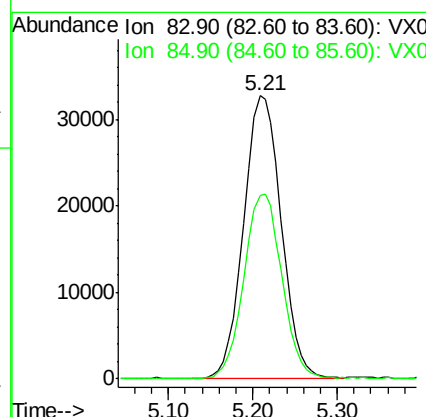
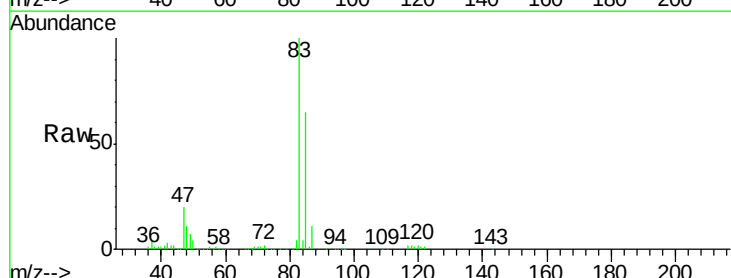
Manual Integrations
APPROVED

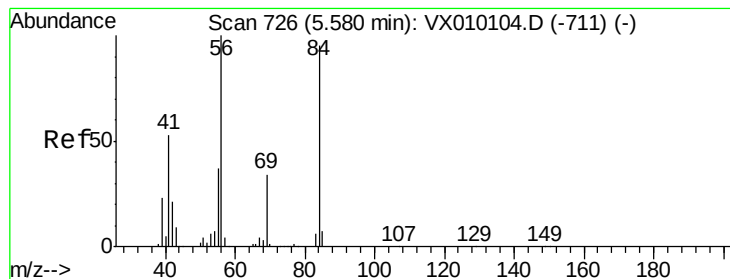
MMDadoda
6/10/2019 10:53:01 AM



#30
Chloroform
Concen: 18.892 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.6	78.8





#31

Cyclohexane

Concen: 19.121 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010117.D

Acq: 07 Jun 2019 18:37

Instrument :

MSVOA_X

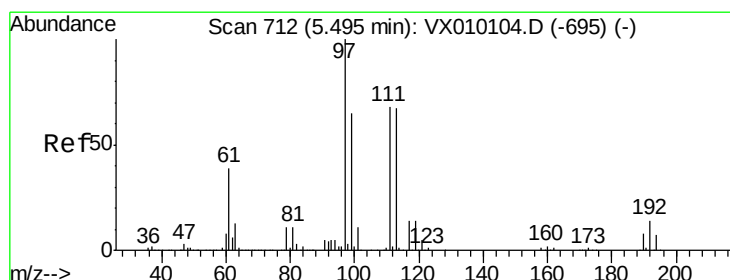
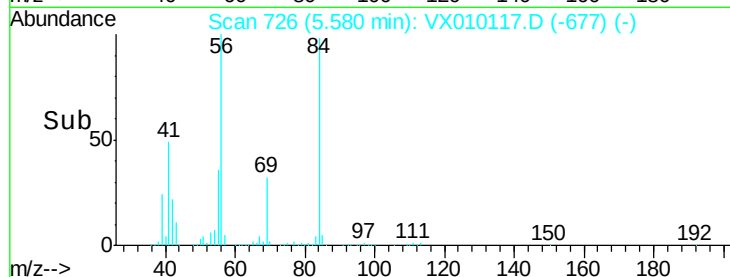
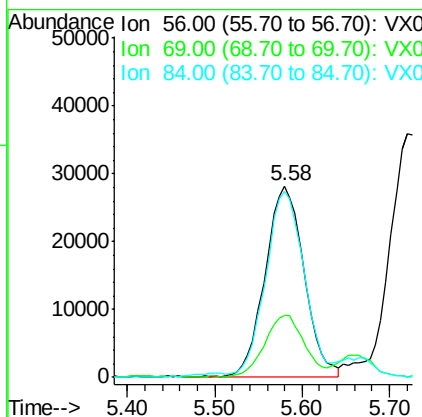
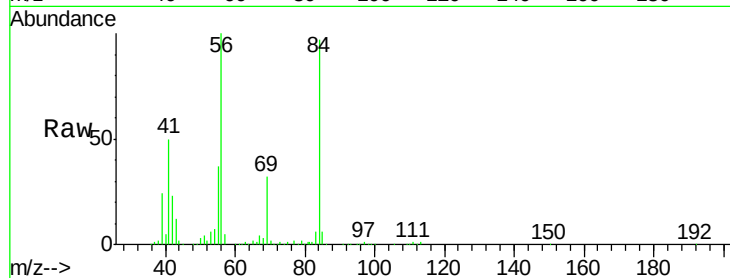
ClientSampleId :

VX0607WBSD01

Tot Ion:	56	Resp:	86766
Ion	Ratio	Lower	Upper
56	100		
69	32.3	21.6	32.4
84	96.3	56.8	85.2#

Manual Integrations
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MMDadoda
6/10/2019 10:53:01 AM



#32

1,1,1-Trichloroethane

Concen: 18.813 ug/l

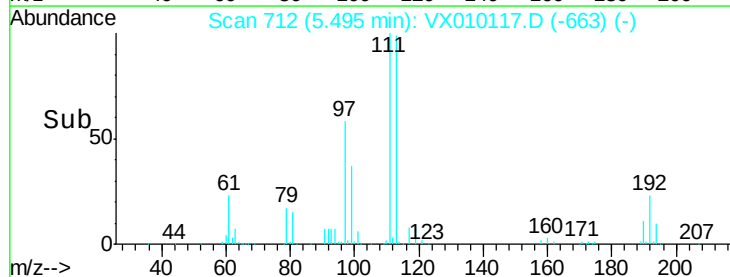
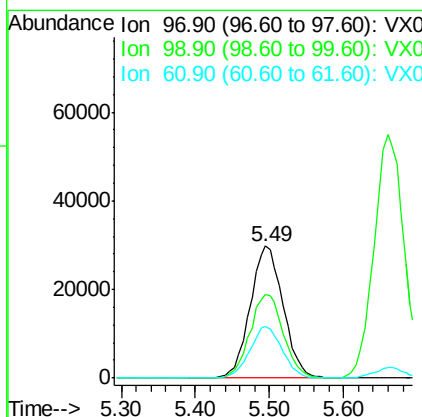
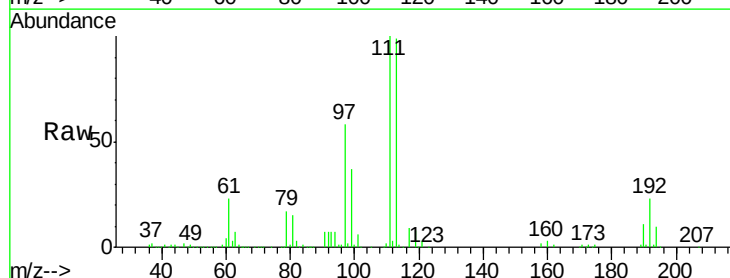
RT: 5.49 min Scan# 712

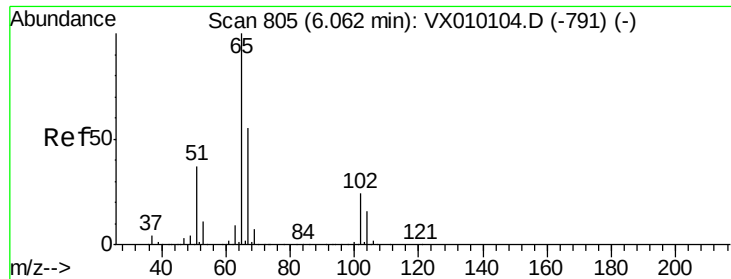
Delta R.T. 0.00 min

Lab File: VX010117.D

Acq: 07 Jun 2019 18:37

Tgt Ion:	97	Resp:	92351
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.4
61	38.6	38.7	58.1#





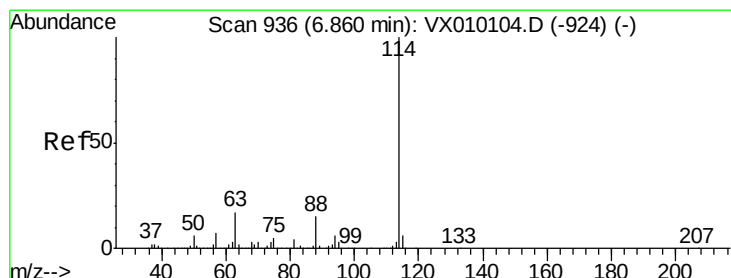
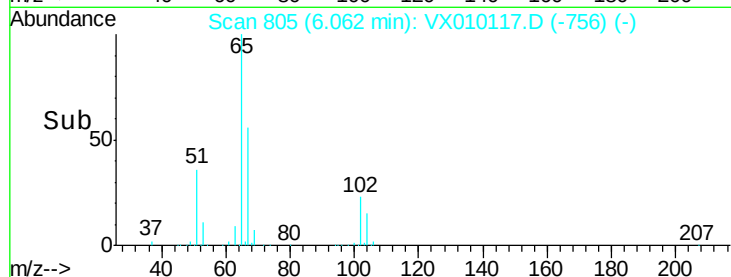
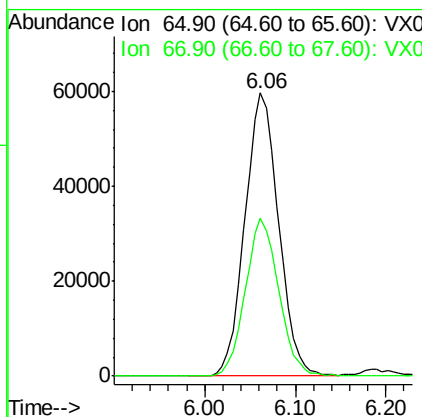
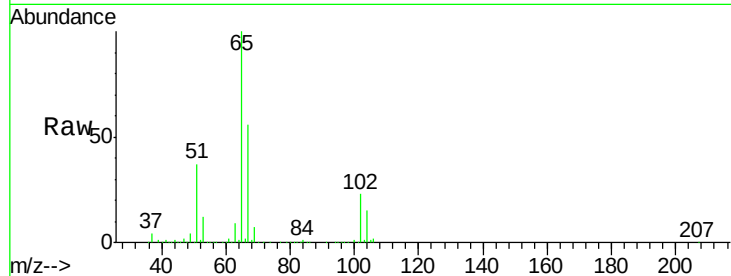
#33
 1,2-Dichloroethane-d4
 Concen: 49.300 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010117.D
 Acq: 07 Jun 2019 18:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0607WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	108.4

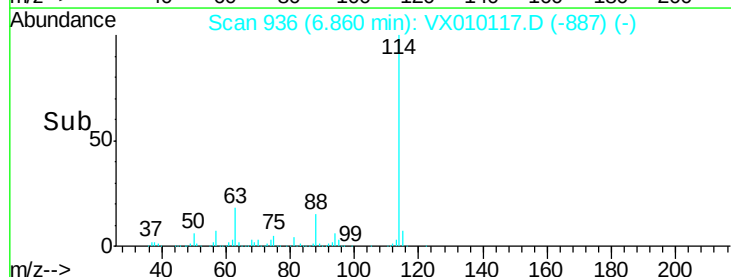
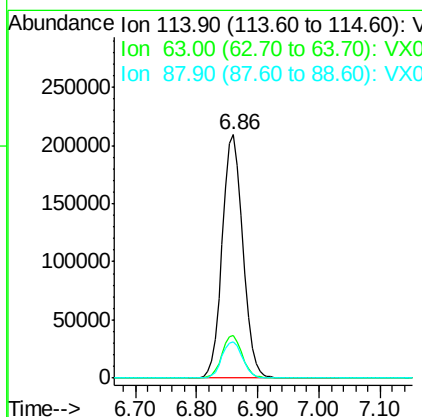
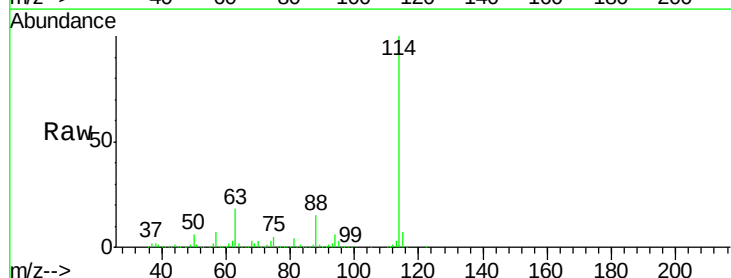
Manual Integrations
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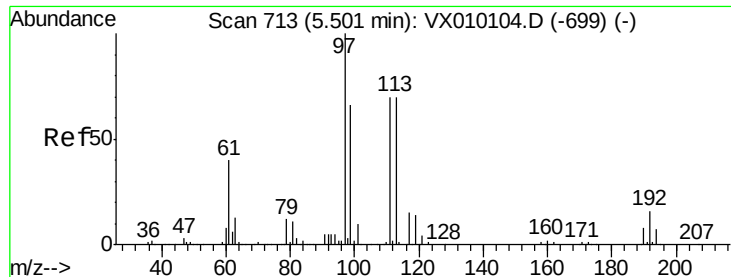
MMDadoda
 6/10/2019 10:53:01 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010117.D
 Acq: 07 Jun 2019 18:37

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.6	0.0	47.4
88	14.9	0.0	33.0





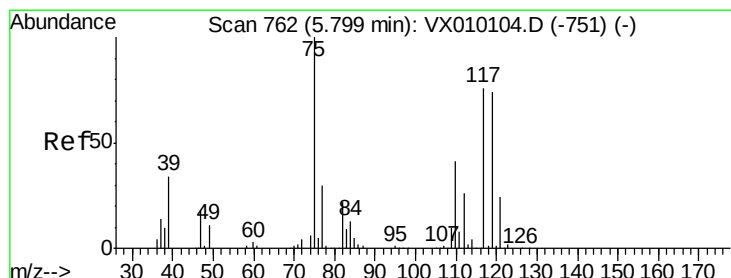
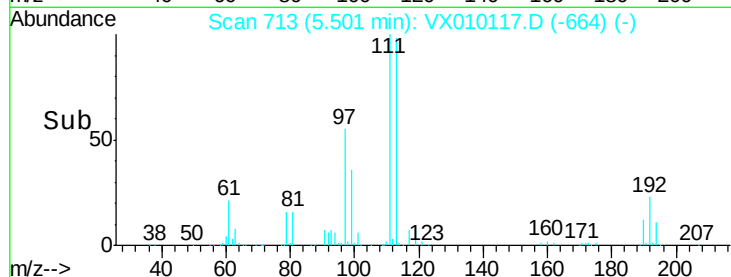
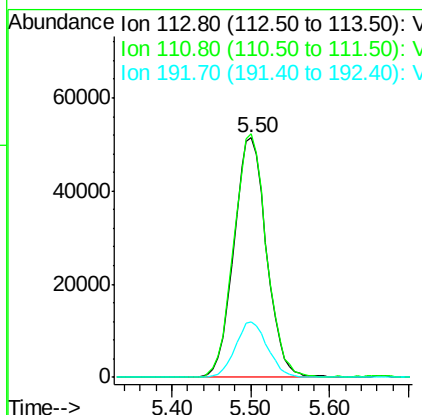
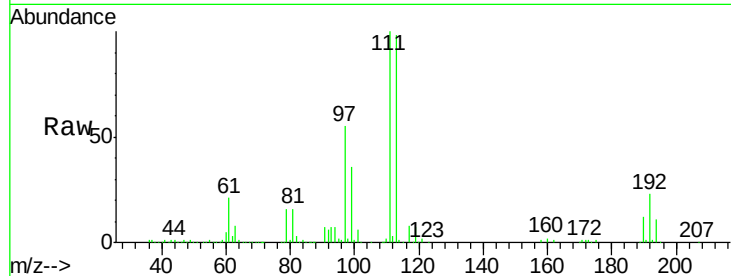
#35
Dibromofluoromethane
Concen: 49.064 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Instrument :
MSVOA_X
ClientSampleId :
VX0607WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	147852		
111	101.4	82.2	123.2	
192	22.8	17.1	25.7	

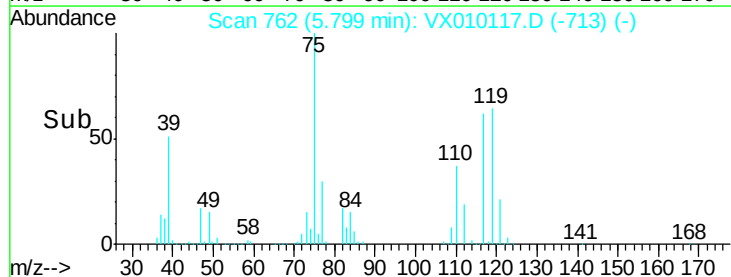
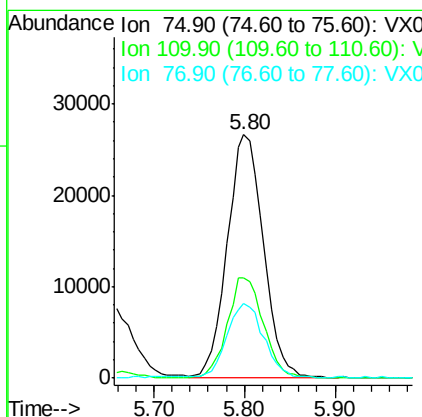
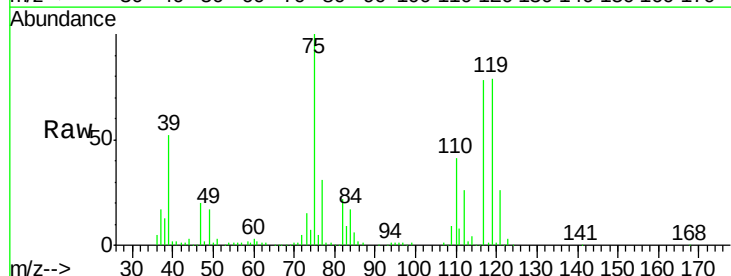
Manual Integrations
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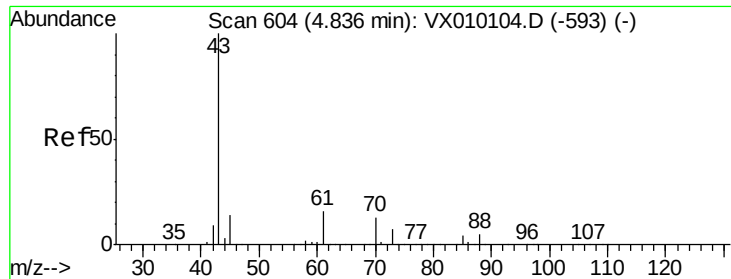
MMDadoda
6/10/2019 10:53:01 AM



#36
1,1-Dichloropropene
Concen: 18.478 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	73649		
110	41.4	16.7	50.1	
77	30.6	25.0	37.4	





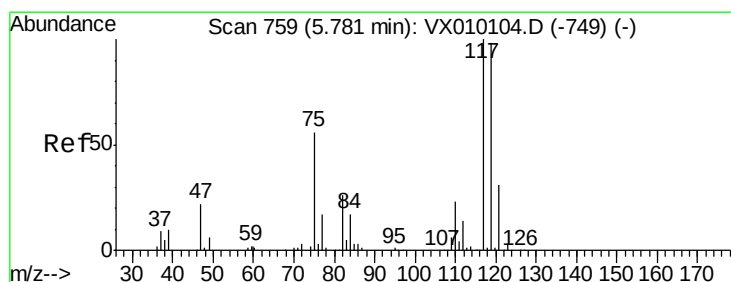
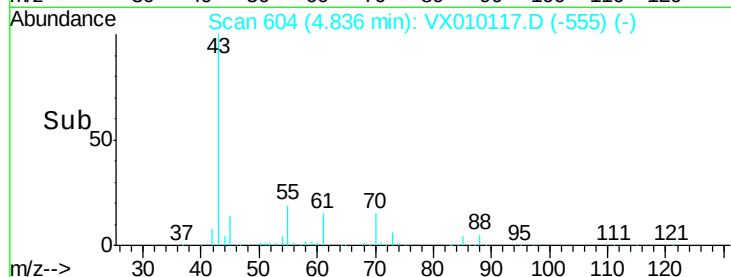
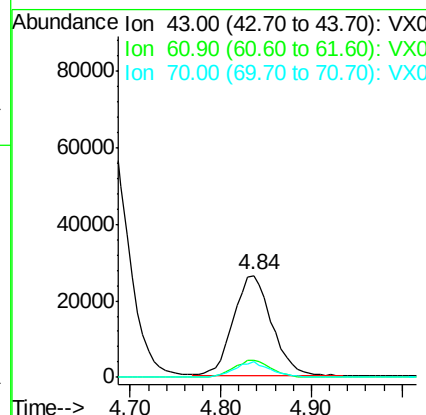
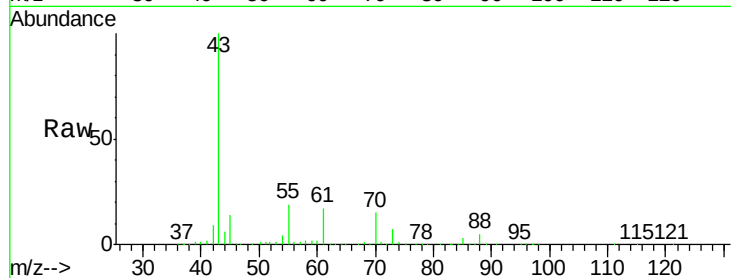
#37
Ethyl Acetate
Concen: 18.661 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Instrument :
MSVOA_X
ClientSampleId :
VX0607WBSD01

Tot Ion	43	61	70
Resp	77388		
Ratio	100	16.3	13.6
Lower		10.2	7.4
Upper		15.2#	11.2#

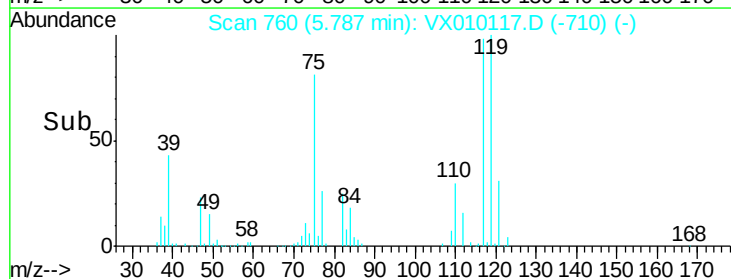
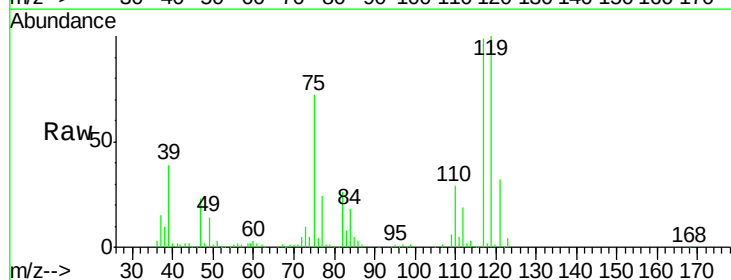
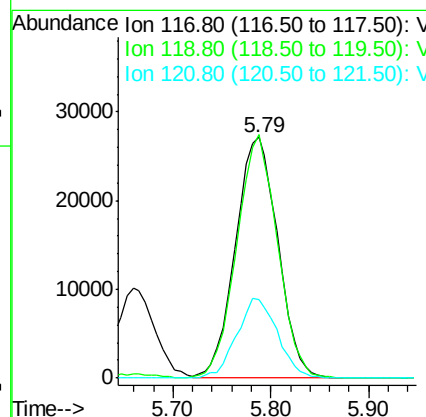
Manual Integrations
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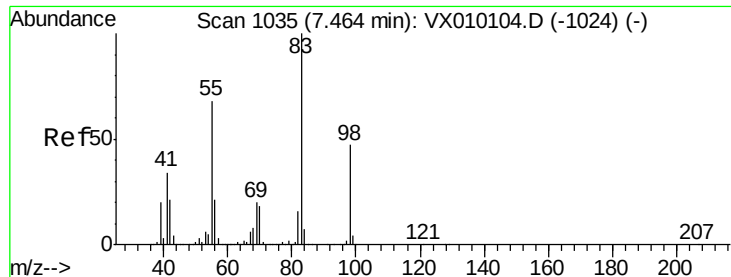
MMDadoda
6/10/2019 10:53:01 AM



#38
Carbon Tetrachloride
Concen: 18.050 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Tgt Ion	117	119	121
Resp	81433		
Ratio	100	101.0	32.5
Lower		77.3	25.4
Upper		115.9	38.0





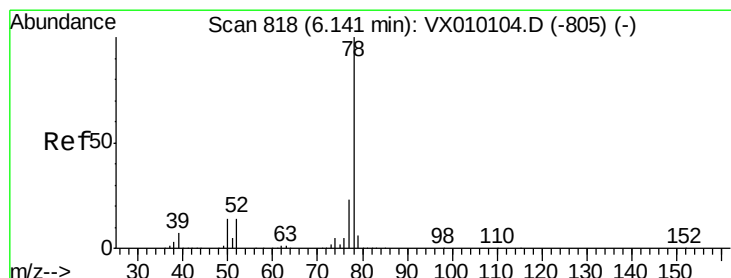
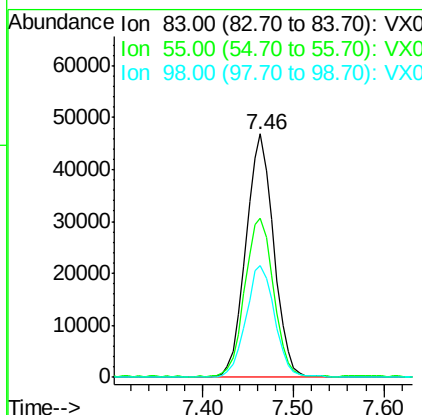
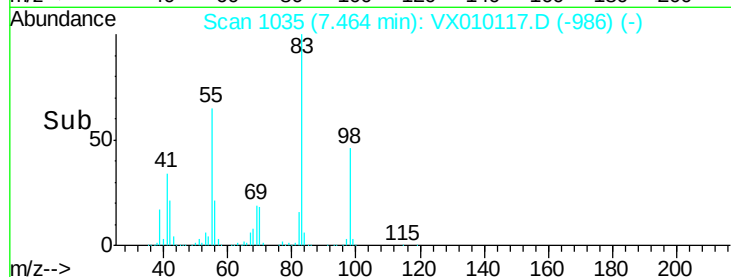
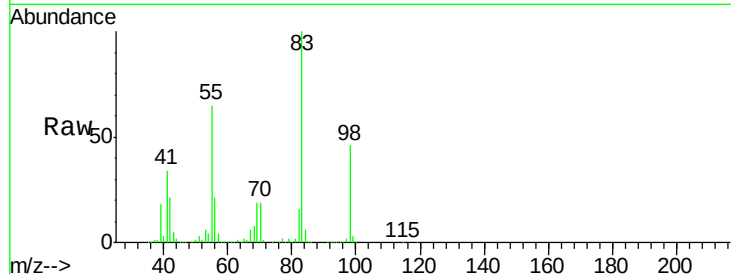
#39
Methylvlcyclohexane
Concen: 18.233 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Instrument :
MSVOA_X
ClientSampleId :
VX0607WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	65.1	69.9	104.9	
98	45.6	35.1	52.7	

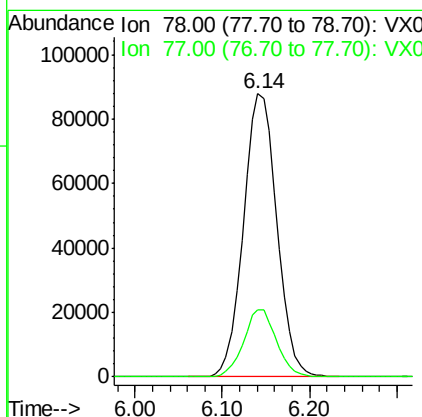
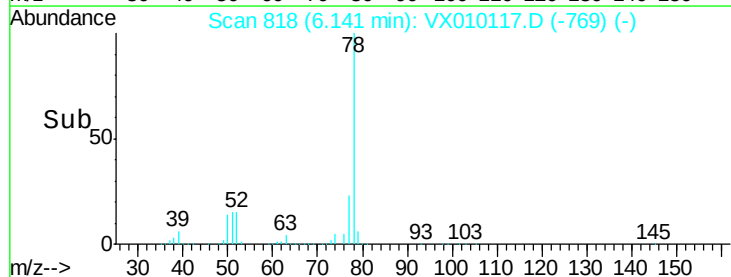
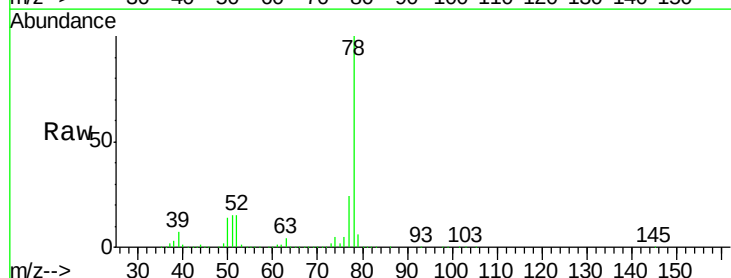
Manual Integrations
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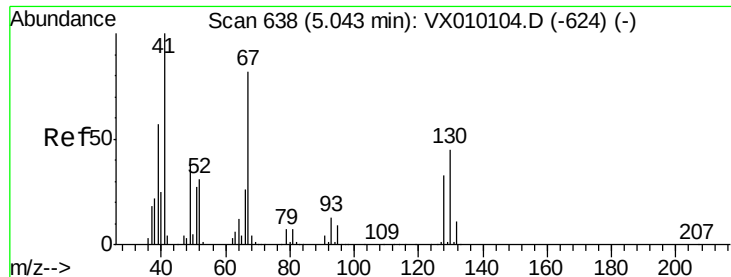
MMDadoda
6/10/2019 10:53:01 AM



#40
Benzene
Concen: 18.872 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	19.2	28.8	





#41

Methacrylonitrile

Concen: 18.940 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX010117.D

Acq: 07 Jun 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

VX0607WBSD01

Tot Ion: 41 Resp: 42488

Ion Ratio Lower Upper

41 100

39 54.7 42.2 63.4

67 82.9 48.9 73.3#

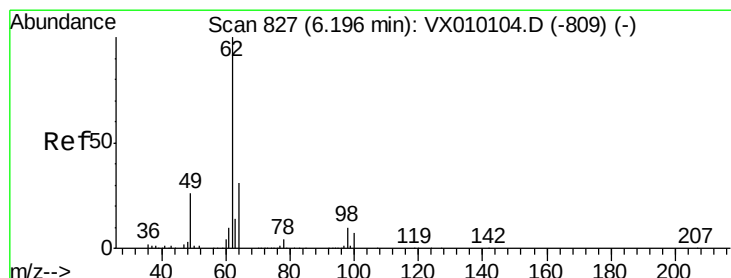
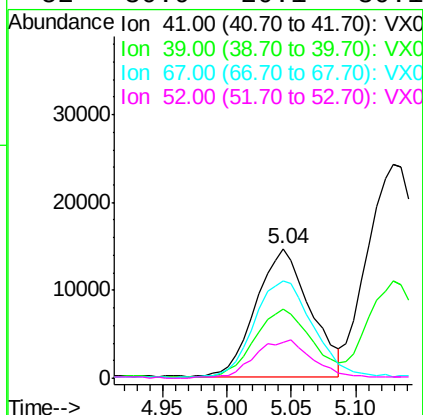
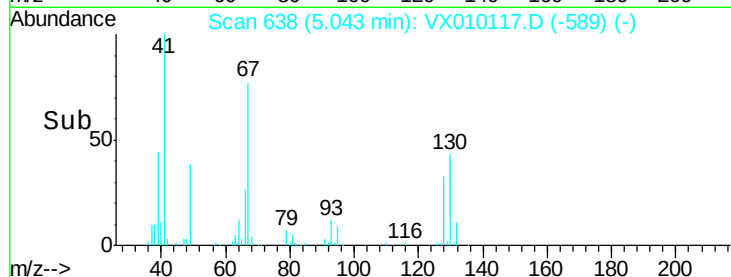
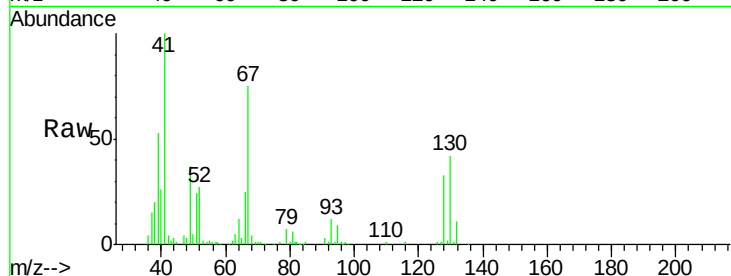
52 30.9 20.1 30.1#

Manual Integrations

APPROVED

MMDadoda

6/10/2019 10:53:01 AM



#42

1,2-Dichloroethane

Concen: 18.857 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.01 min

Lab File: VX010117.D

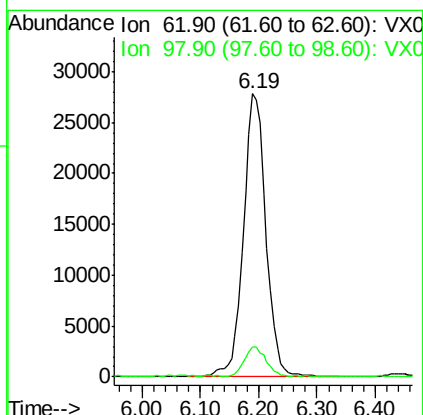
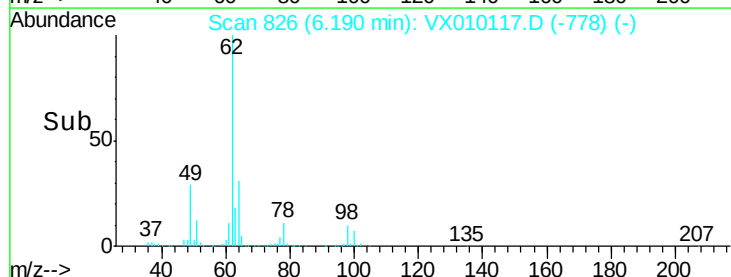
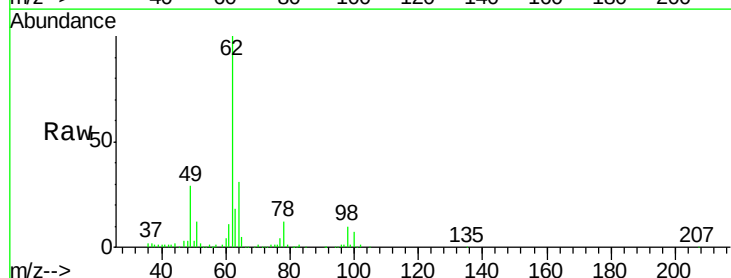
Acq: 07 Jun 2019 18:37

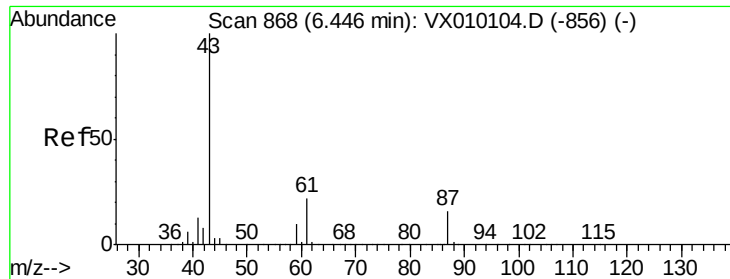
Tgt Ion: 62 Resp: 74196

Ion Ratio Lower Upper

62 100

98 9.7 0.0 17.2





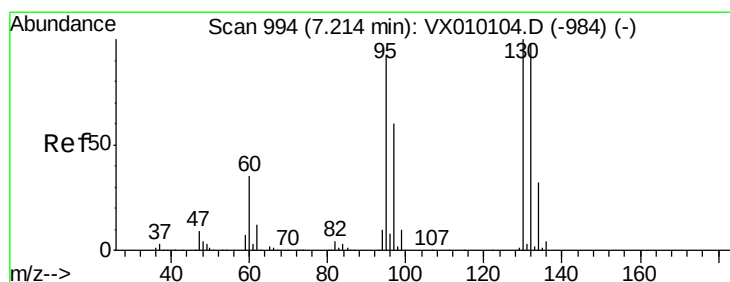
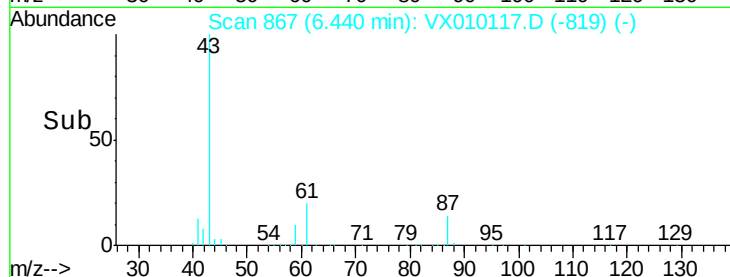
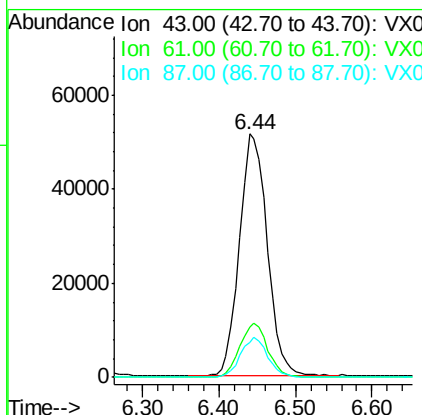
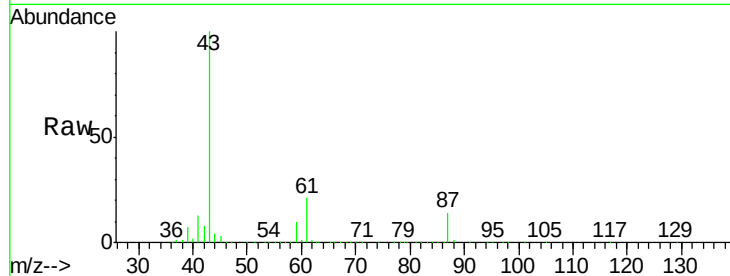
#43
Isopropyl Acetate
Concen: 18.858 ug/l
RT: 6.44 min Scan# 867
Delta R.T. -0.01 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Instrument :
MSVOA_X
ClientSampleId :
VX0607WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.4	14.6	21.8#
87	16.2	8.7	13.1#

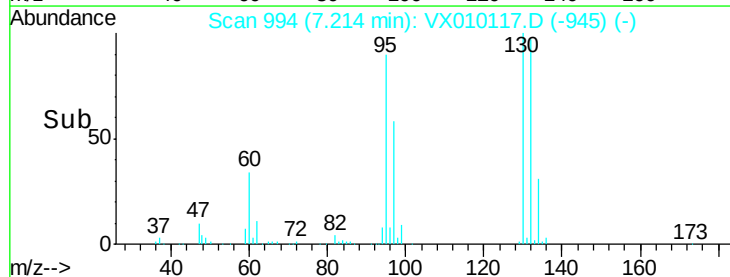
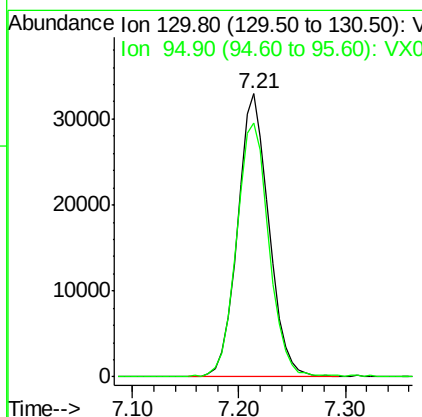
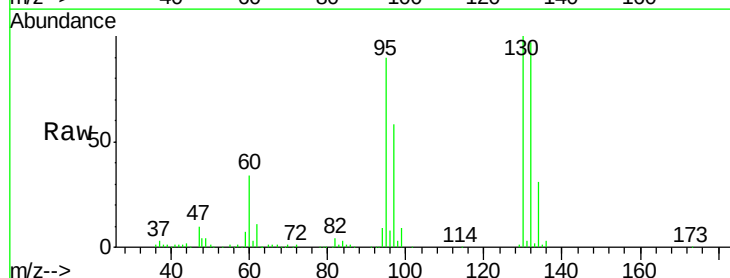
Manual Integrations
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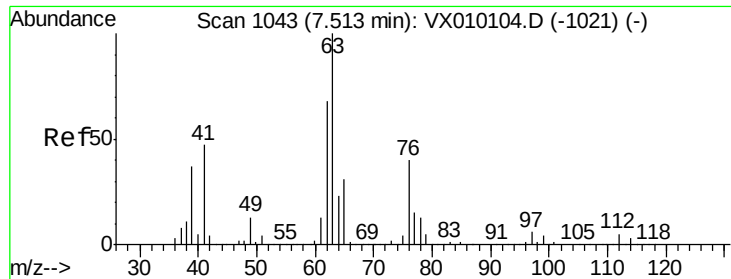
MMDadoda
6/10/2019 10:53:01 AM



#44
Trichloroethene
Concen: 18.289 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.5	0.0	207.4





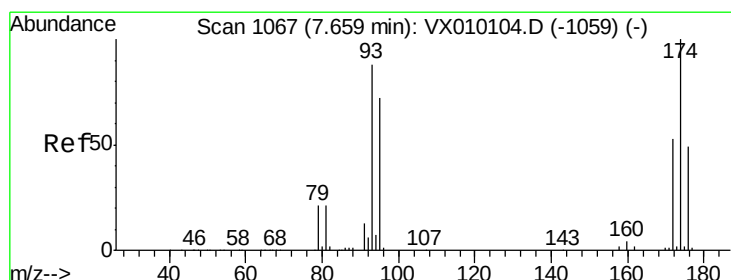
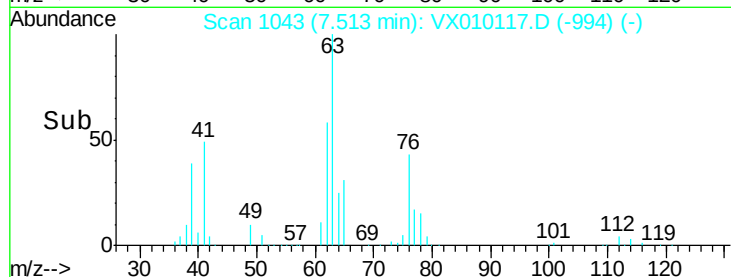
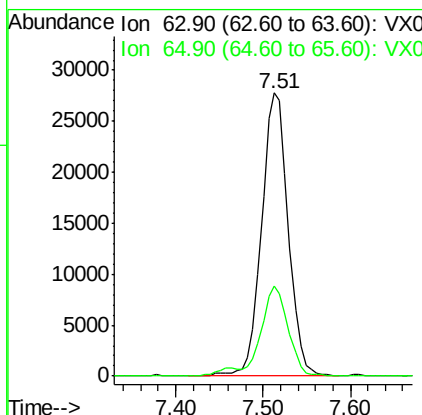
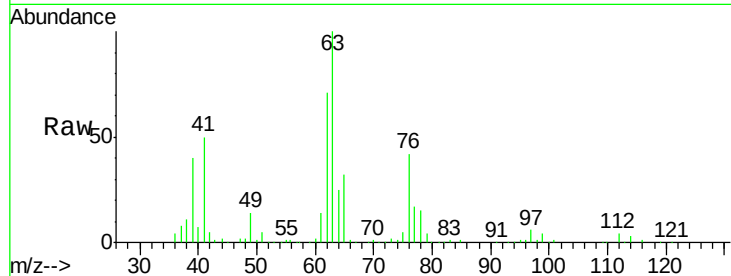
#45
1,2-Dichloropropane
Concen: 19.104 ug/l
RT: 7.51 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Instrument :
MSVOA_X
ClientSampleId :
VX0607WBSD01

Tot Ion: 63 Resp: 58932
Ion Ratio Lower Upper
63 100
65 31.7 25.7 38.5

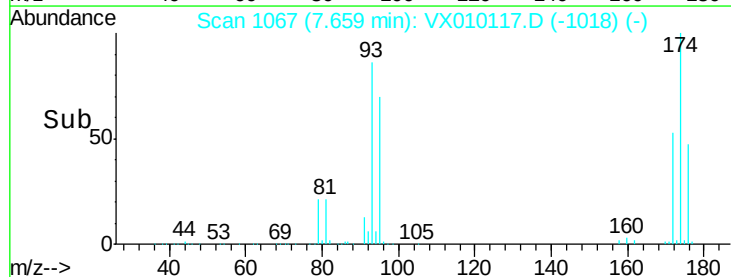
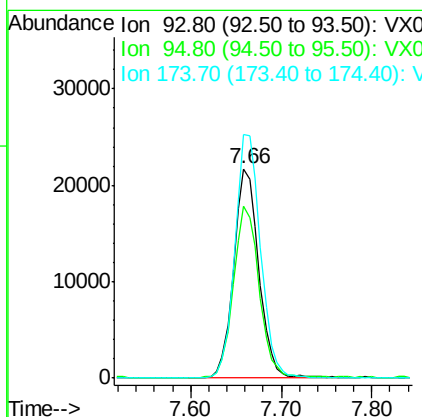
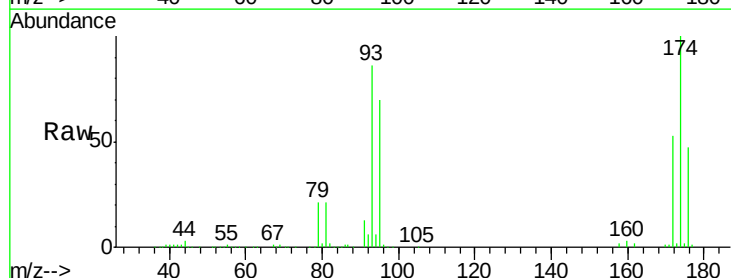
Manual Integrations
APPROVED

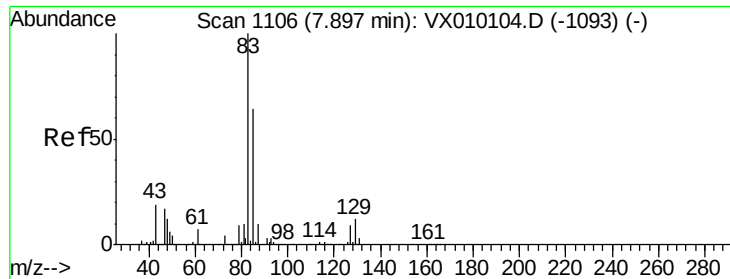
MMDadoda
6/10/2019 10:53:01 AM



#46
Dibromomethane
Concen: 18.287 ug/l
RT: 7.66 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Tgt Ion: 93 Resp: 42263
Ion Ratio Lower Upper
93 100
95 82.7 66.8 100.2
174 118.0 81.9 122.9





#47

Bromodichloromethane

Concen: 18.481 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010117.D

Acq: 07 Jun 2019 18:37

Instrument :

MSVOA_X

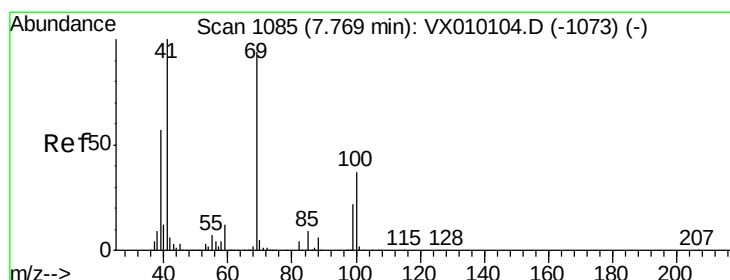
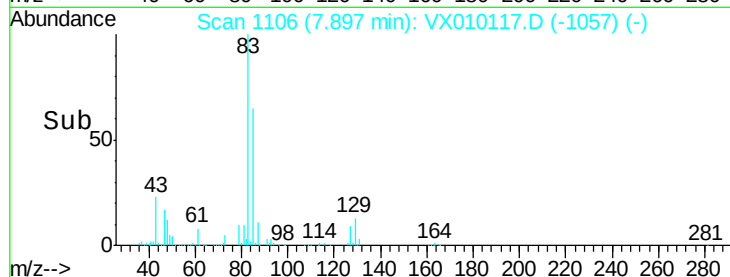
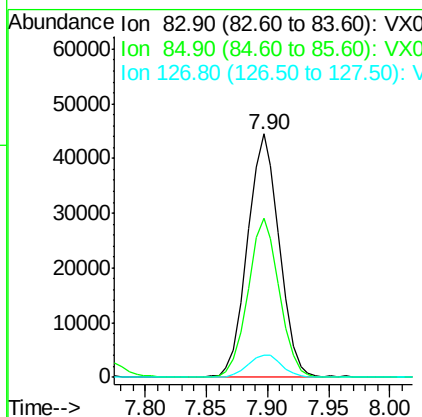
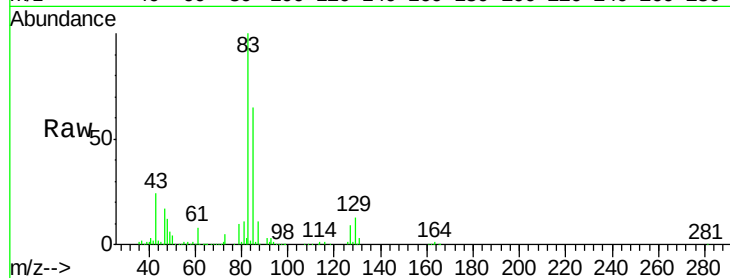
ClientSampleId :

VX0607WBSD01

Tot Ion:	83	Resp:	79811
Ion Ratio	Lower	Upper	
83	100		
85	65.3	51.4	77.2
127	9.0	6.4	9.6

Manual Integrations
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MMDadoda
6/10/2019 10:53:01 AM



#48

Methyl methacrylate

Concen: 19.252 ug/l

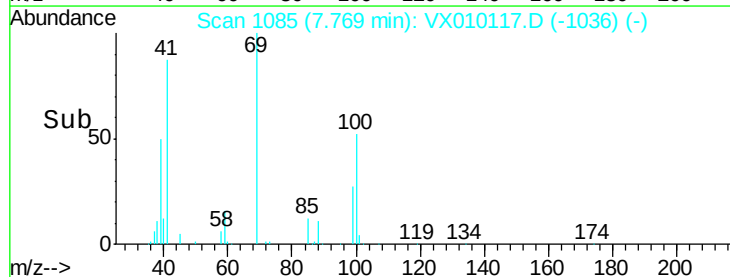
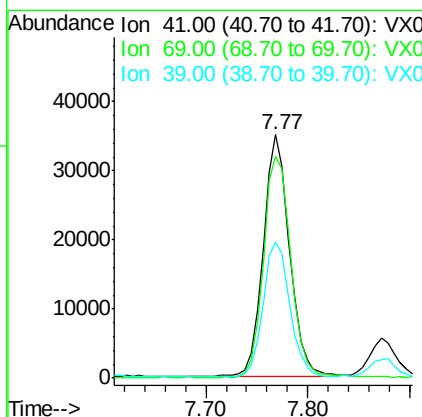
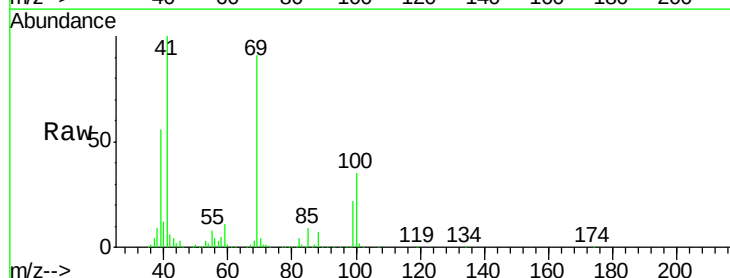
RT: 7.77 min Scan# 1085

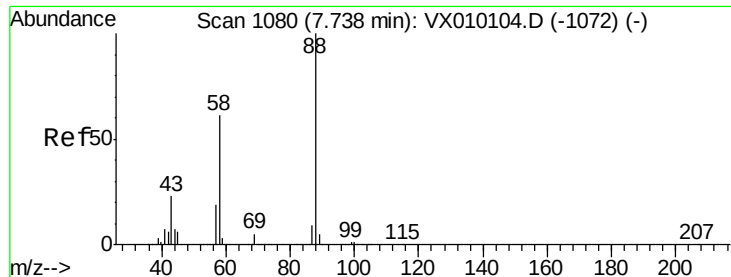
Delta R.T. 0.00 min

Lab File: VX010117.D

Acq: 07 Jun 2019 18:37

Tgt Ion:	41	Resp:	62429
Ion Ratio	Lower	Upper	
41	100		
69	95.4	56.4	84.6#
39	57.2	40.6	60.8





#49

1,4-Dioxane

Concen: 385.696 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX010117.D

Acq: 07 Jun 2019 18:37

Instrument :

MSVOA_X

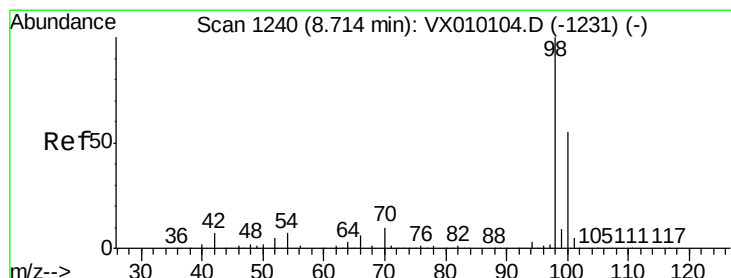
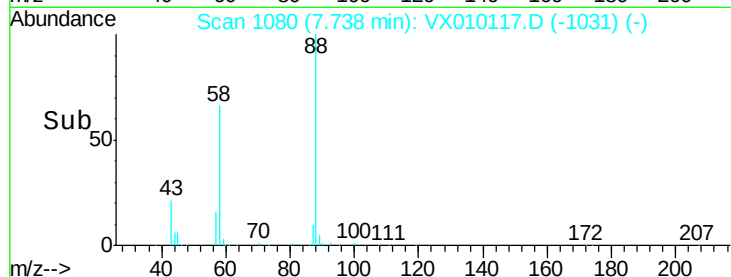
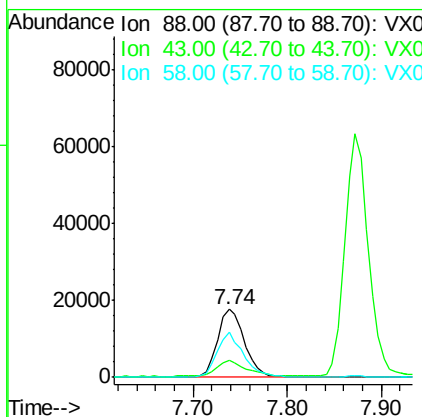
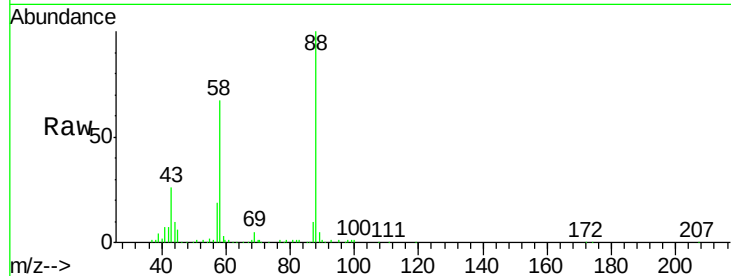
ClientSampleId :

VX0607WBSD01

Tot Ion:	88	Resp:	35660
Ion	Ratio	Lower	Upper
88	100		
43	25.4	30.2	45.4#
58	64.4	64.0	96.0

Manual Integrations
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#50

Toluene-d8

Concen: 49.760 ug/l

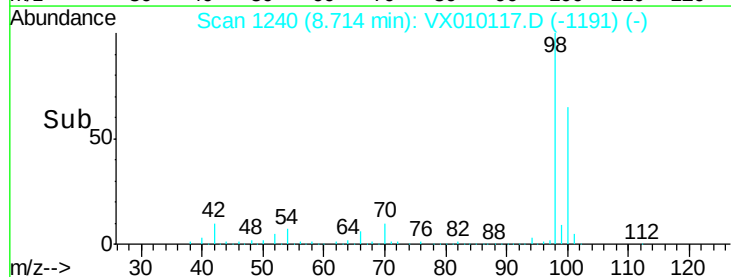
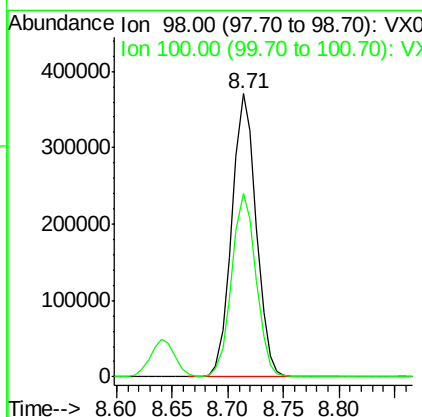
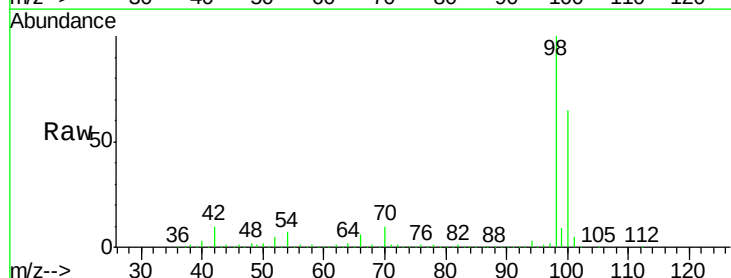
RT: 8.71 min Scan# 1240

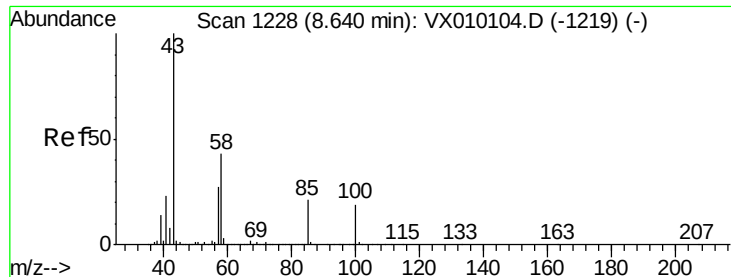
Delta R.T. 0.00 min

Lab File: VX010117.D

Acq: 07 Jun 2019 18:37

Tgt Ion:	98	Resp:	561994
Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.5	77.3





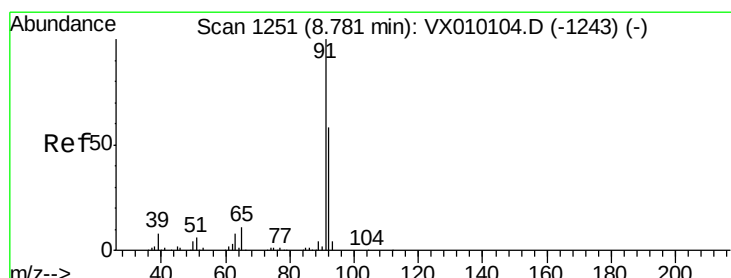
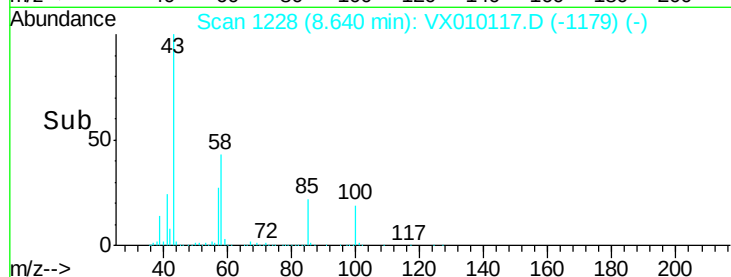
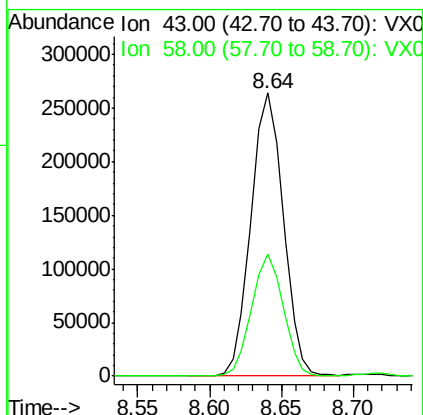
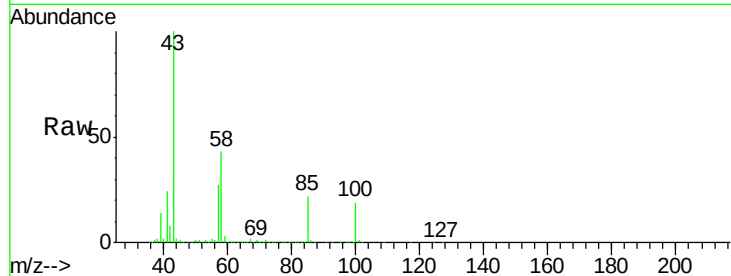
#51
 4-Methyl-2-Pentanone
 Concen: 99.025 ug/l
 RT: 8.64 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VX010117.D
 Acq: 07 Jun 2019 18:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0607WBSD01

Tot Ion: 43 Resp: 410195
 Ion Ratio Lower Upper
 43 100
 58 42.2 28.8 43.2

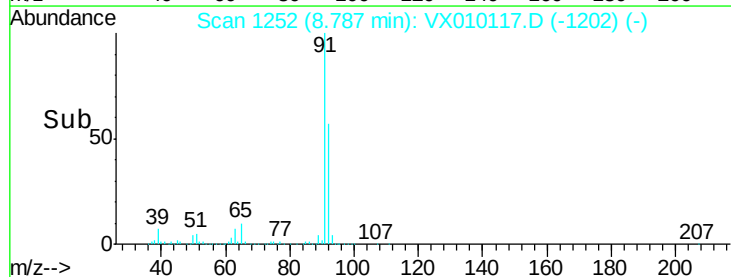
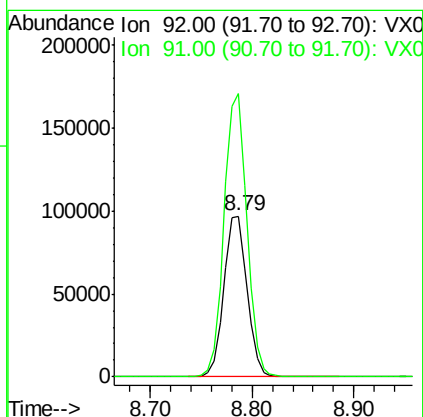
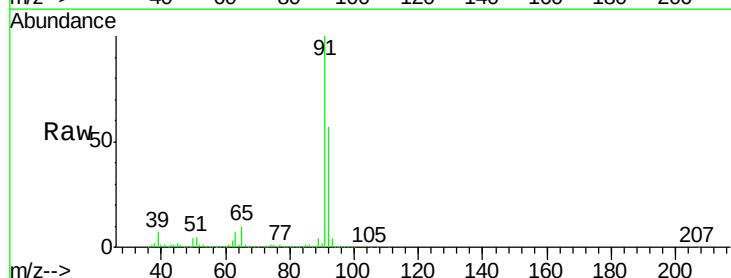
Manual Integrations
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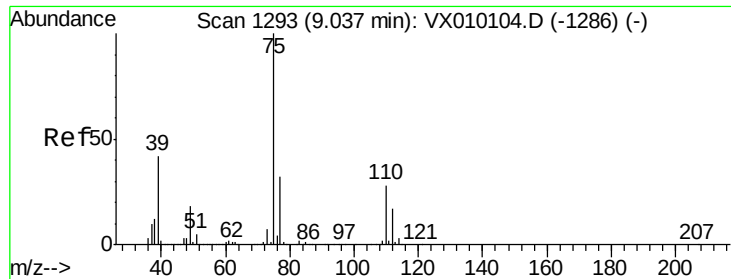
MMDadoda
 6/10/2019 10:53:01 AM



#52
 Toluene
 Concen: 18.807 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. 0.01 min
 Lab File: VX010117.D
 Acq: 07 Jun 2019 18:37

Tgt Ion: 92 Resp: 152366
 Ion Ratio Lower Upper
 92 100
 91 174.0 139.9 209.9





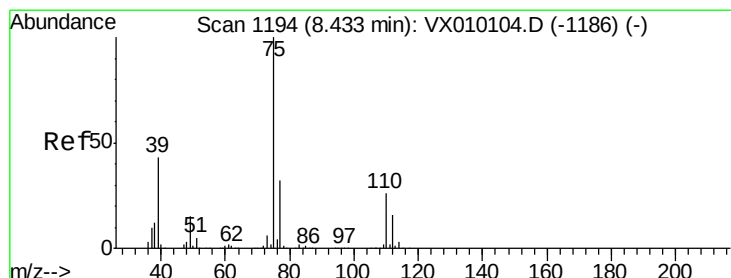
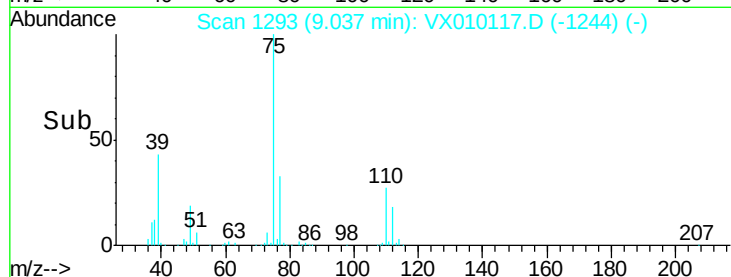
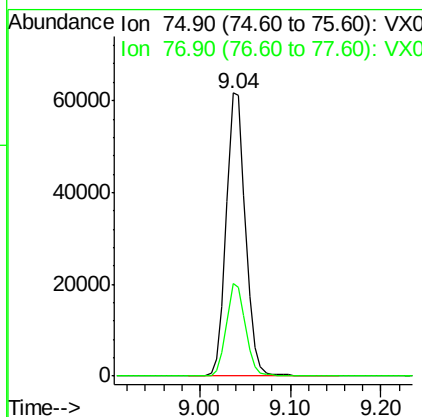
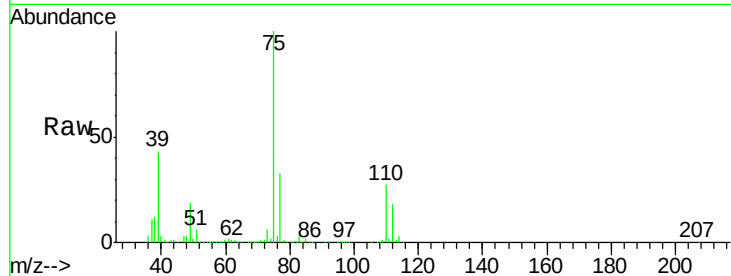
#53
t-1,3-Dichloropropene
Concen: 18.222 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Instrument :
MSVOA_X
ClientSampled :
VX0607WBSD01

Tot Ion	75	Resp	91021
Ion Ratio	Lower	Upper	
75	100		
77	32.7	24.6	36.8

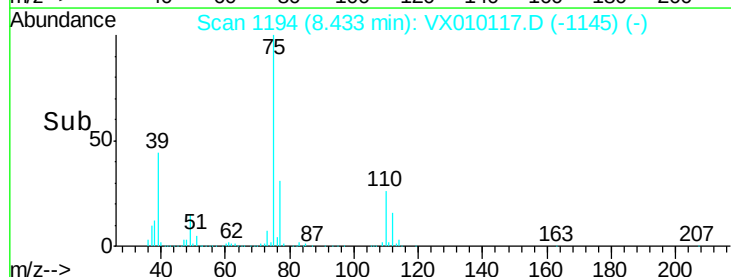
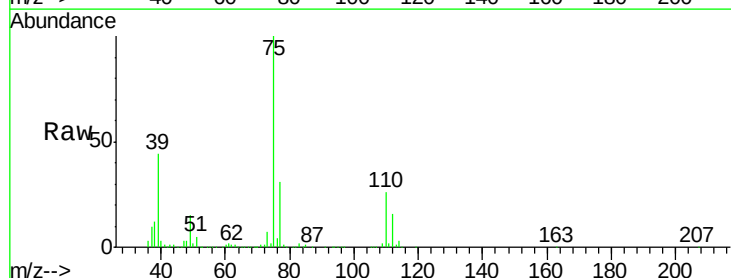
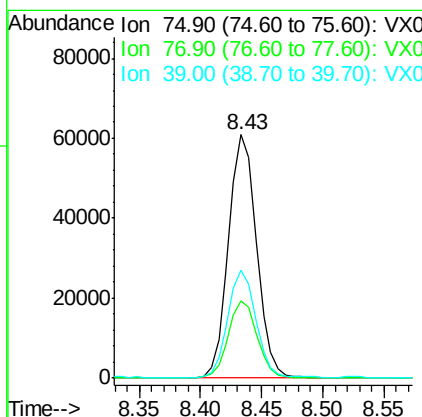
Manual Integrations
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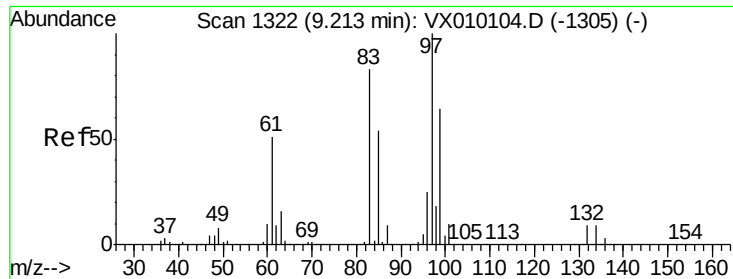
MMDadoda
6/10/2019 10:53:01 AM



#54
cis-1,3-Dichloropropene
Concen: 18.115 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Tgt Ion	75	Resp	97007
Ion Ratio	Lower	Upper	
75	100		
77	31.5	24.8	37.2
39	43.9	43.4	65.0





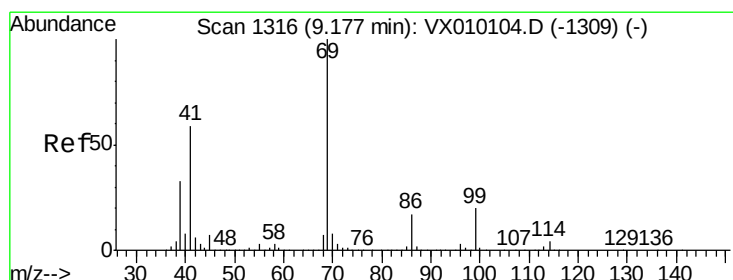
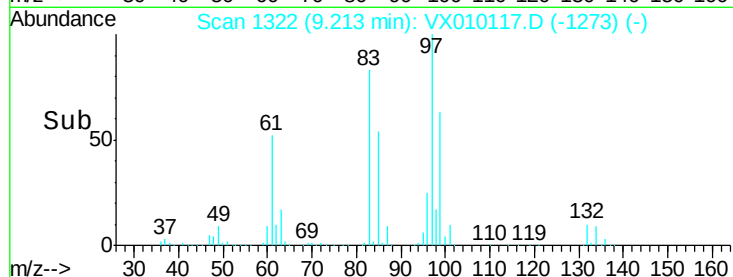
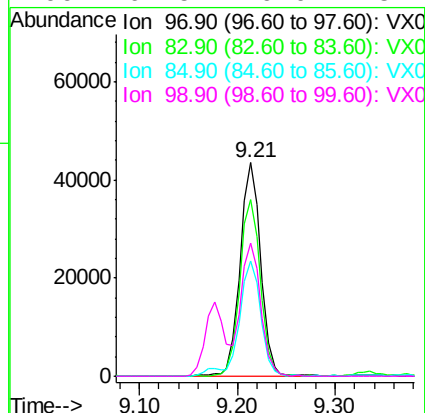
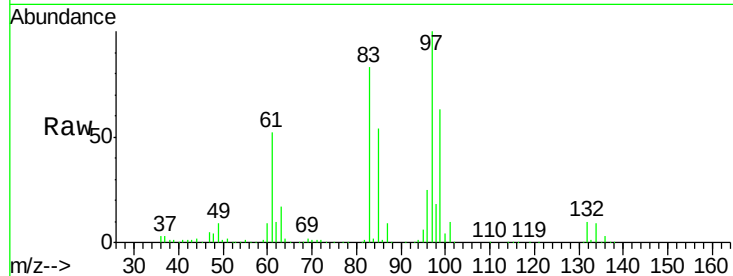
#55
 1,1,2-Trichloroethane
 Concen: 19.260 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010117.D
 Acq: 07 Jun 2019 18:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0607WBSD01

Tot Ion:	97	Resp:	63904
Ion	Ratio	Lower	Upper
97	100		
83	82.8	69.8	104.8
85	53.6	45.3	67.9
99	62.5	49.0	73.4

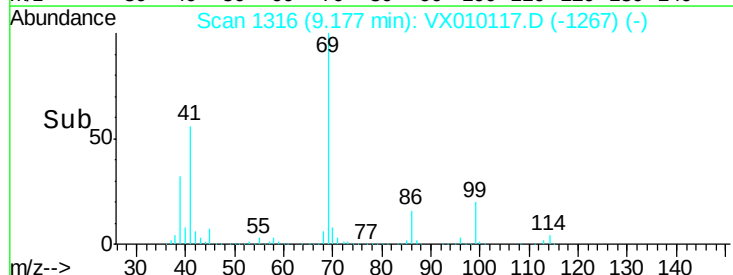
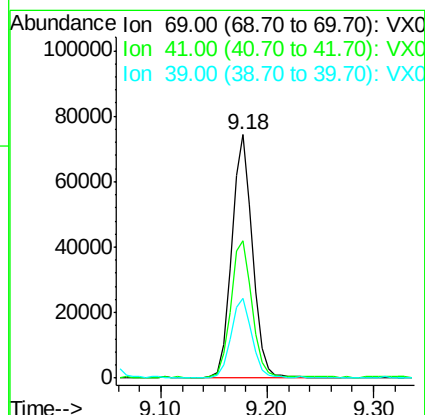
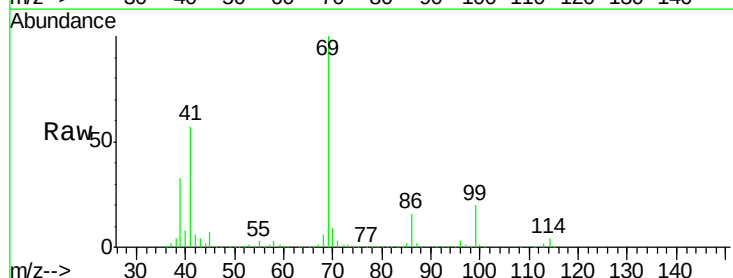
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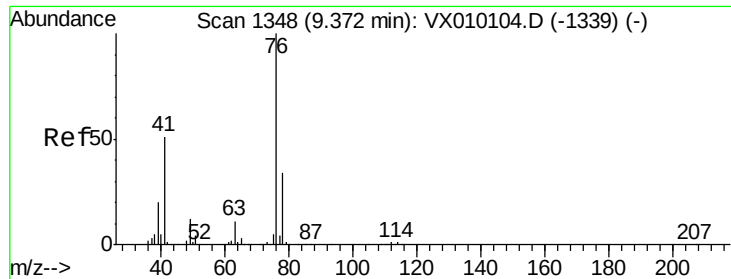
MMDadoda
 6/10/2019 10:53:01 AM



#56
 Ethyl methacrylate
 Concen: 19.207 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010117.D
 Acq: 07 Jun 2019 18:37

Tgt Ion:	69	Resp:	100671
Ion	Ratio	Lower	Upper
69	100		
41	57.4	62.7	94.1#
39	32.5	29.5	44.3





#57

1,3-Dichloropropane

Concen: 18.736 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX010117.D

Acq: 07 Jun 2019 18:37

Instrument :

MSVOA_X

ClientSampled :

VX0607WBSD01

Tot Ion: 76 Resp: 97871

Ion Ratio Lower Upper

76 100

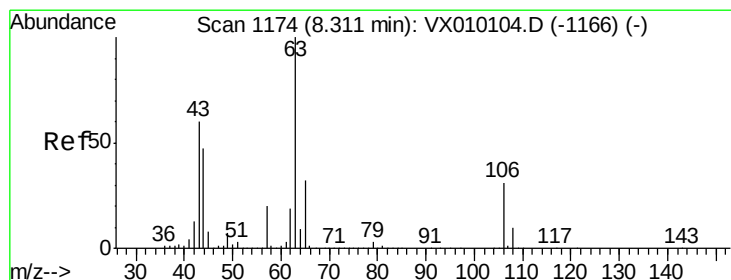
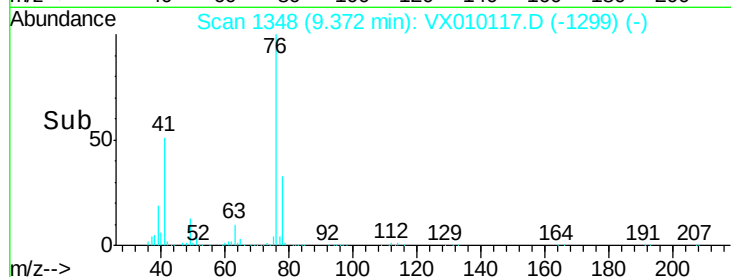
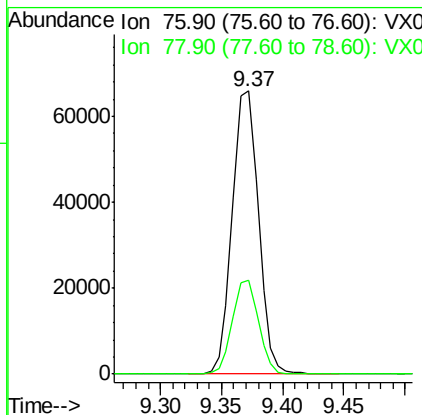
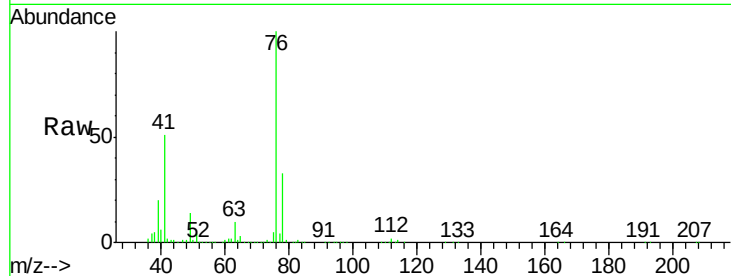
78 33.0 25.4 38.0

Manual Integrations

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MMDadoda

6/10/2019 10:53:01 AM



#58

2-Chloroethyl Vinyl ether

Concen: 95.928 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX010117.D

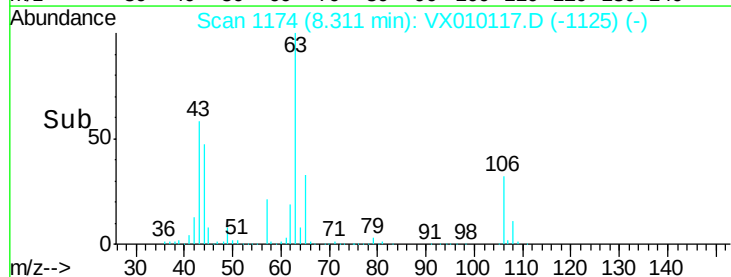
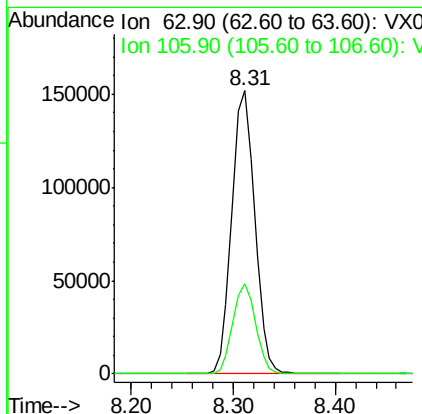
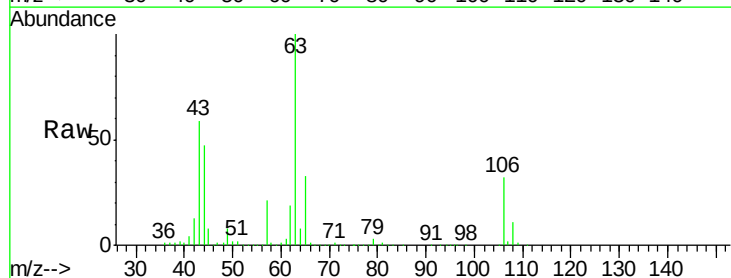
Acq: 07 Jun 2019 18:37

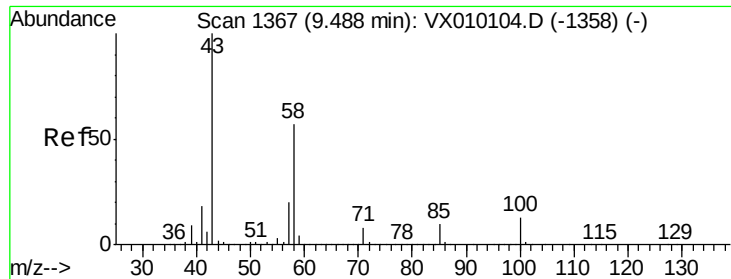
Tgt Ion: 63 Resp: 237026

Ion Ratio Lower Upper

63 100

106 31.5 19.4 29.2#





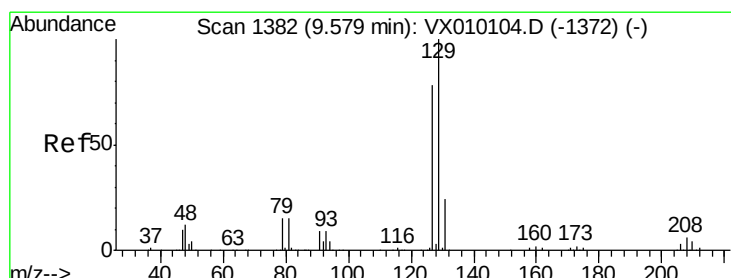
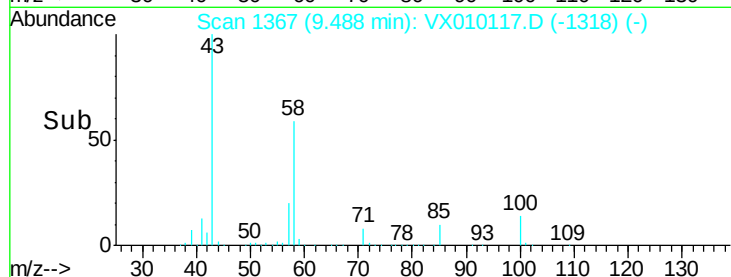
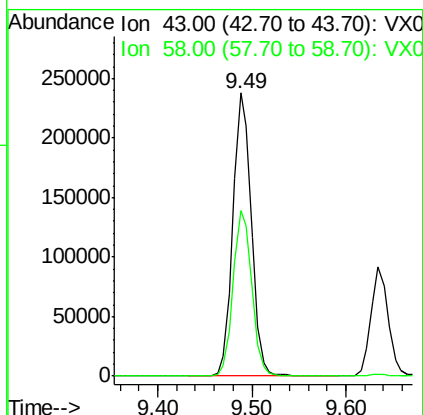
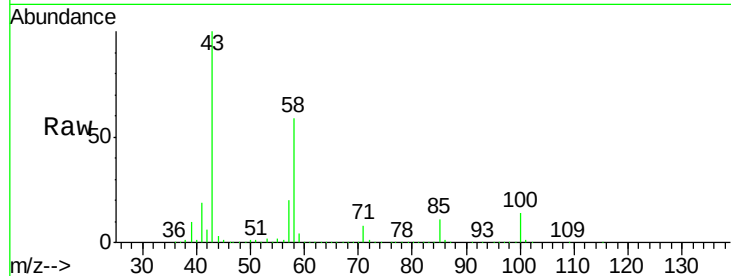
#59
2-Hexanone
Concen: 97.716 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Instrument :
MSVOA_X
ClientSampleId :
VX0607WBSD01

Tot Ion: 43 Resp: 322729
Ion Ratio Lower Upper
43 100
58 59.0 25.1 75.3

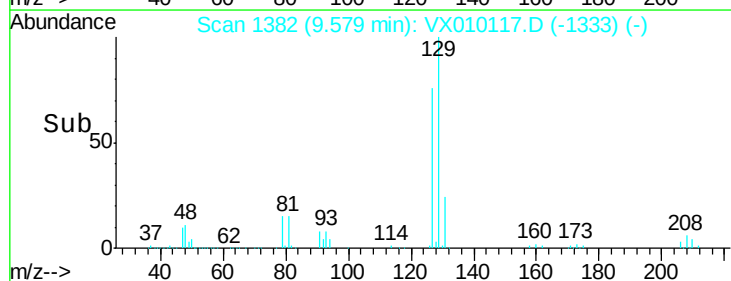
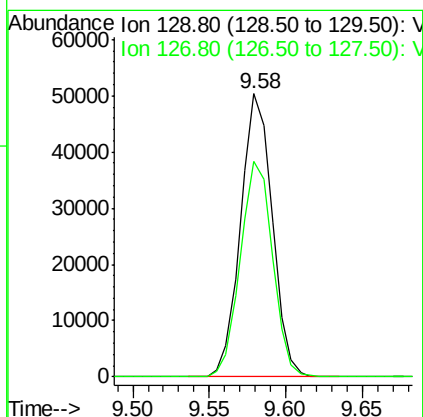
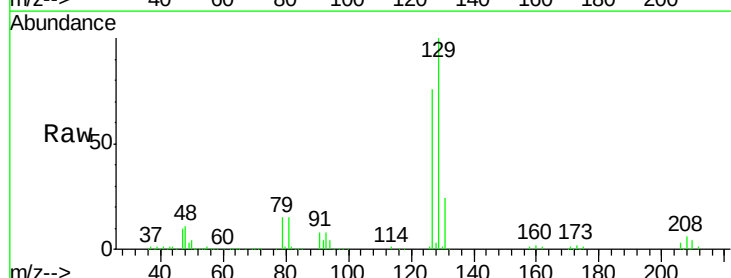
Manual Integrations
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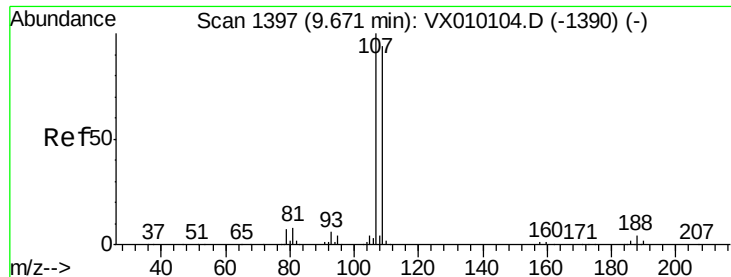
MMDadoda
6/10/2019 10:53:01 AM



#60
Dibromochloromethane
Concen: 18.492 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Tgt Ion: 129 Resp: 72573
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5





#61

1,2-Dibromoethane

Concen: 18.831 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010117.D

Acq: 07 Jun 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

VX0607WBSD01

Tot Ion:107 Resp: 69588

Ion Ratio Lower Upper

107 100

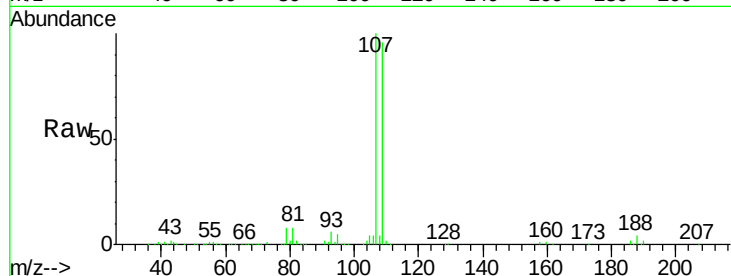
109 93.6 75.4 113.2

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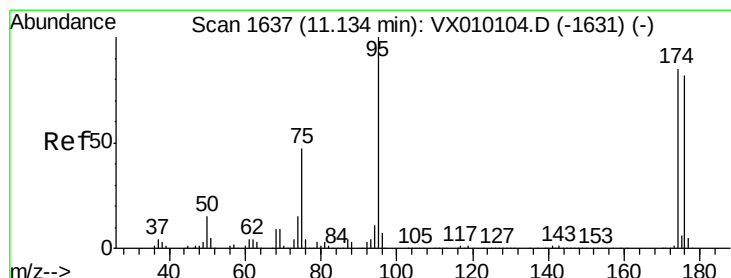
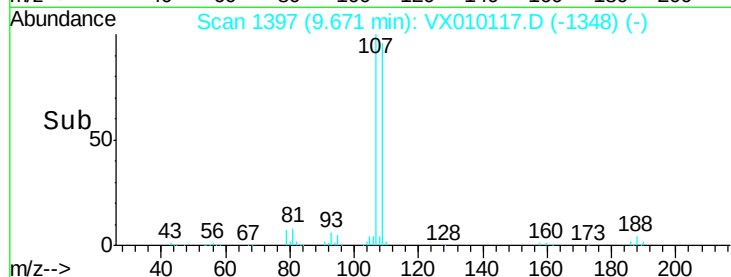
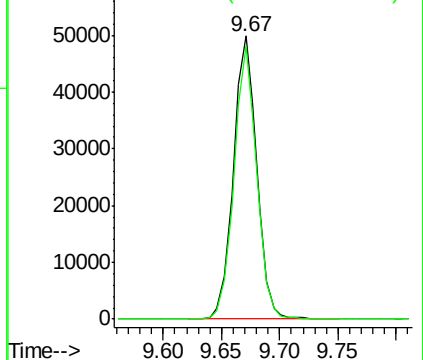
MMDadoda

6/10/2019 10:53:01 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.371 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010117.D

Acq: 07 Jun 2019 18:37

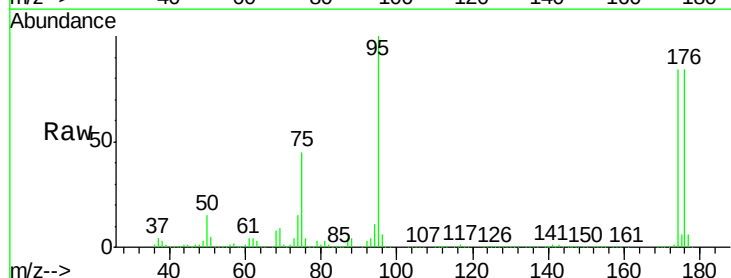
Tgt Ion: 95 Resp: 208240

Ion Ratio Lower Upper

95 100

174 87.6 0.0 160.4

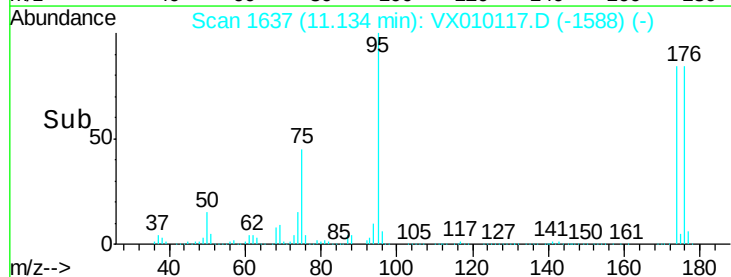
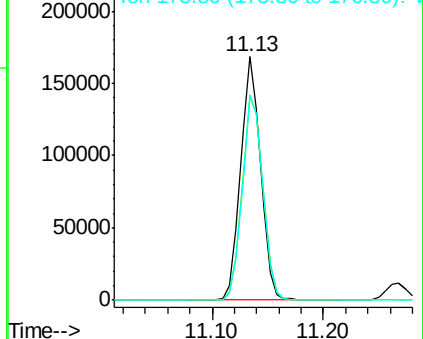
176 86.4 0.0 154.6

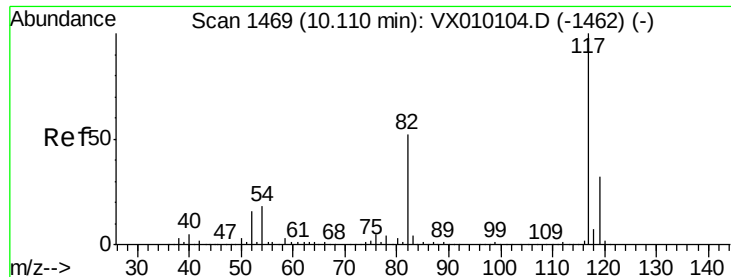


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





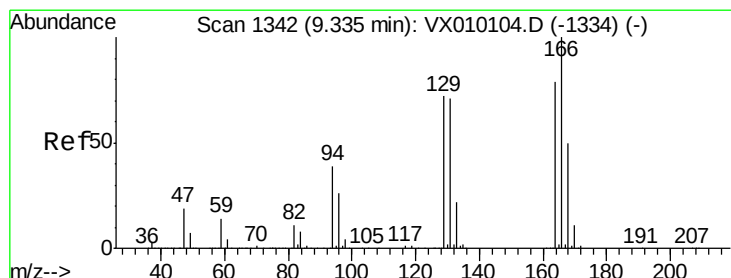
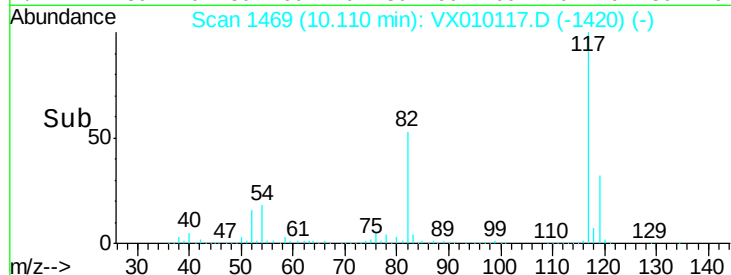
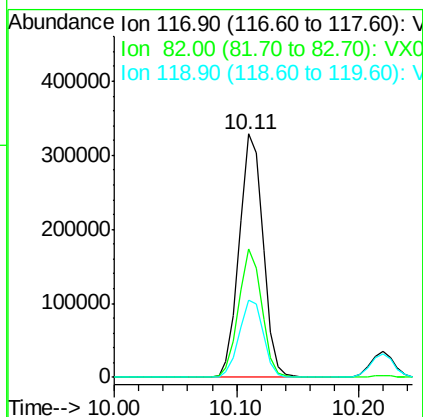
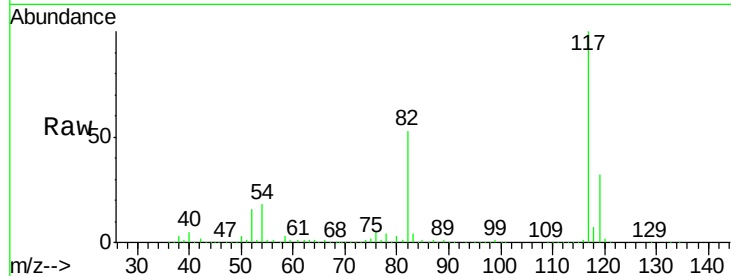
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Instrument :
MSVOA_X
ClientSampleId :
VX0607WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	49.2	73.8
119	31.9	25.2	37.8

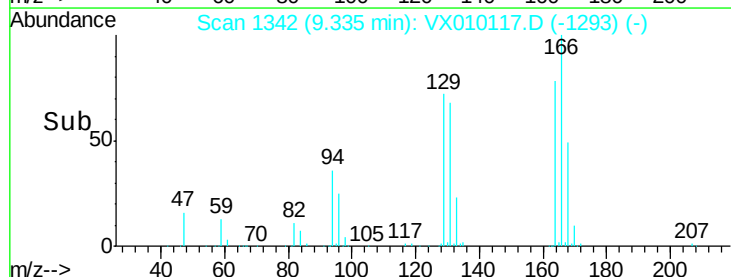
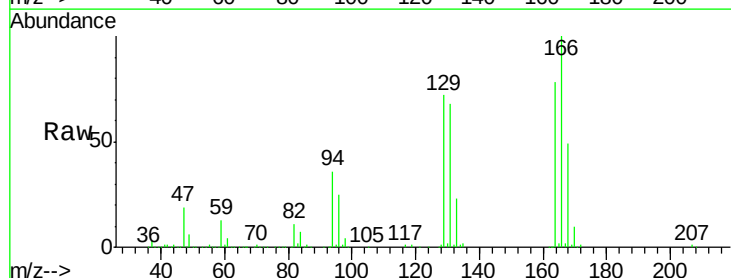
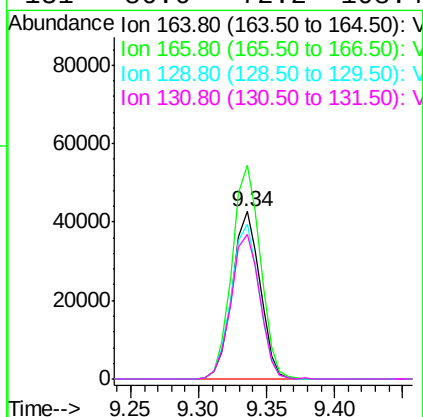
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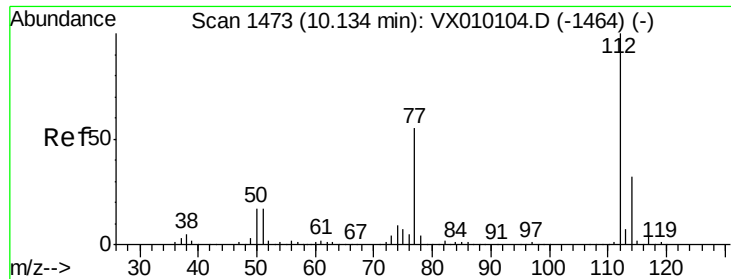
MMDadoda
6/10/2019 10:53:01 AM



#64
Tetrachloroethene
Concen: 18.565 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	105.0	157.4
129	92.3	75.1	112.7
131	86.6	72.2	108.4





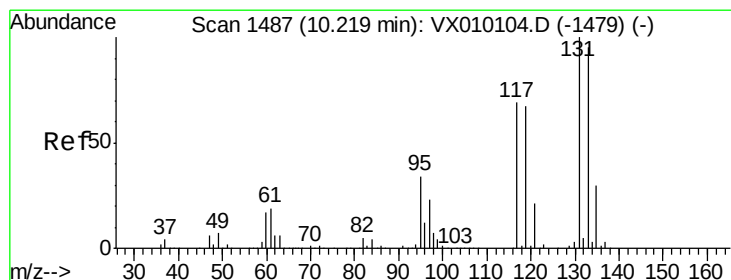
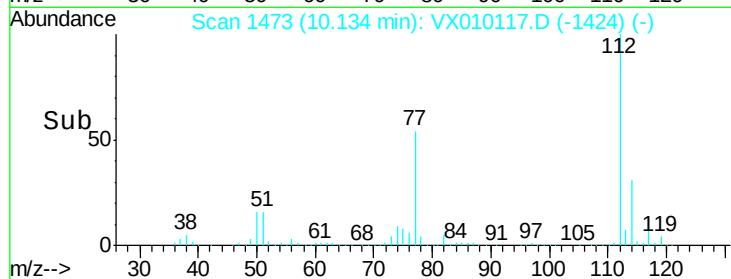
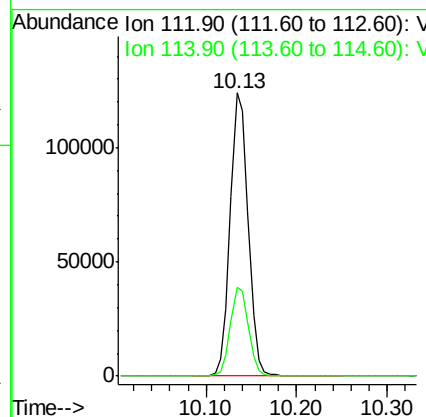
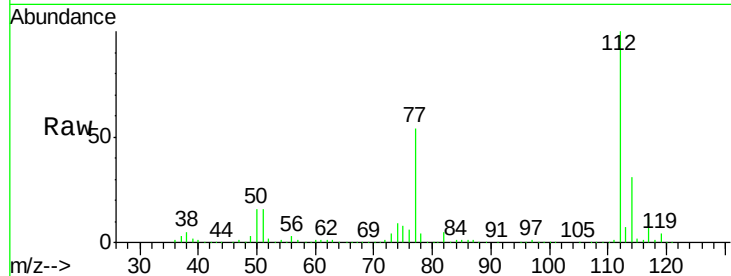
#65
Chlorobenzene
Concen: 18.746 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Instrument :
MSVOA_X
ClientSampled :
VX0607WBSD01

Tot Ion:112 Resp: 171089
Ion Ratio Lower Upper
112 100
114 31.3 25.8 38.8

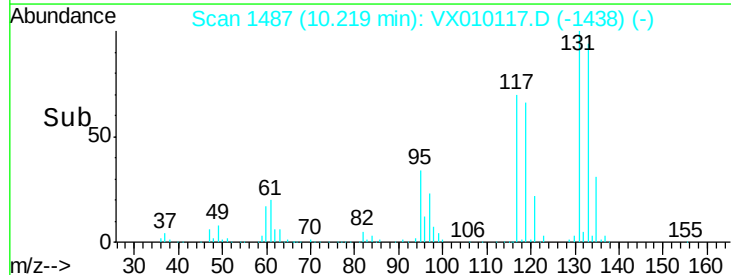
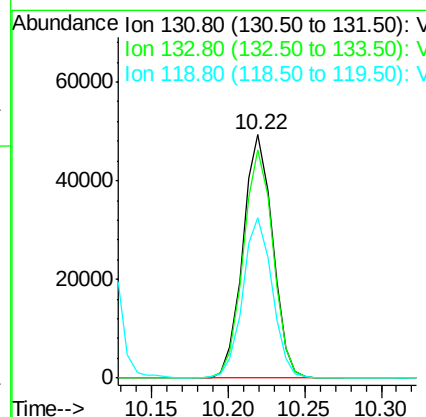
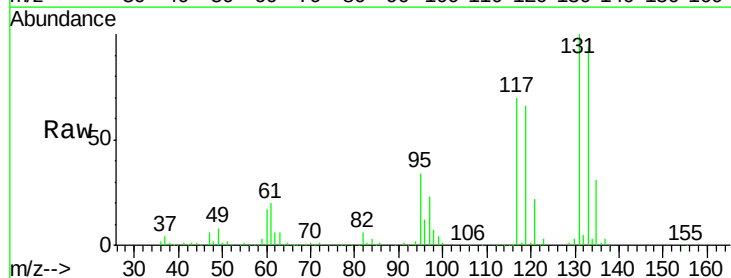
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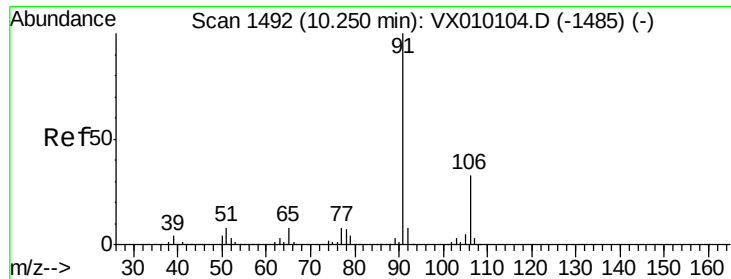
MMDadoda
6/10/2019 10:53:01 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.020 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Tgt Ion:131 Resp: 66755
Ion Ratio Lower Upper
131 100
133 93.9 47.5 142.6
119 65.5 33.4 100.1





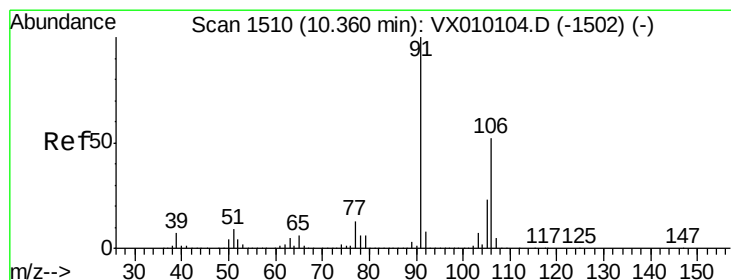
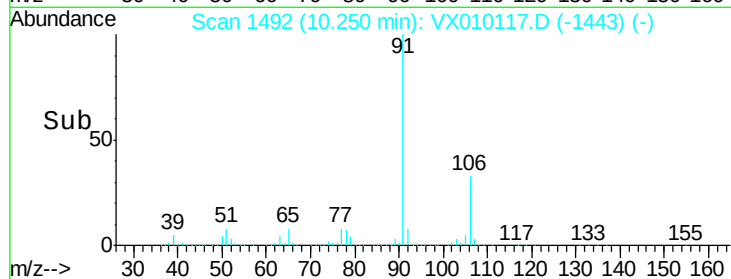
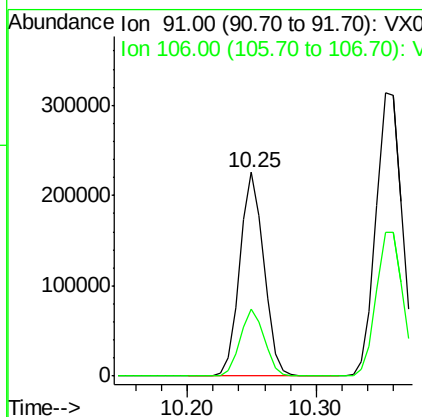
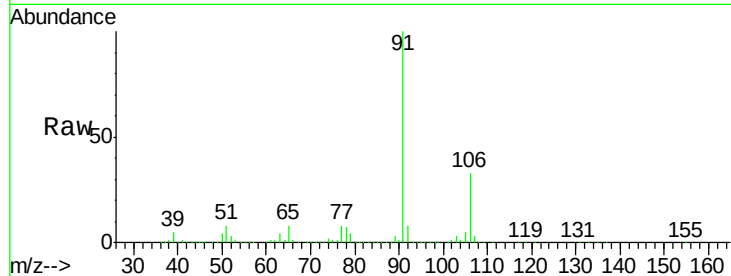
#67
Ethyl Benzene
Concen: 18.720 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Instrument :
MSVOA_X
ClientSampled :
VX0607WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.9	23.9	35.9

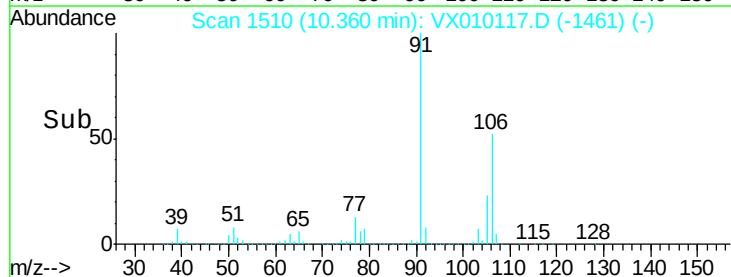
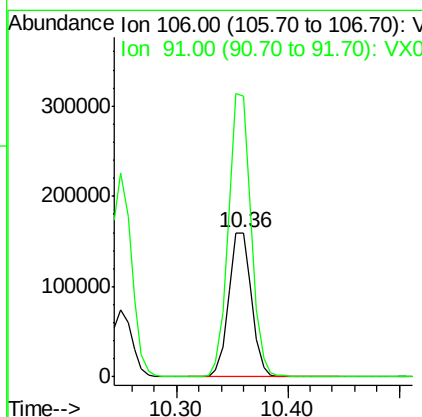
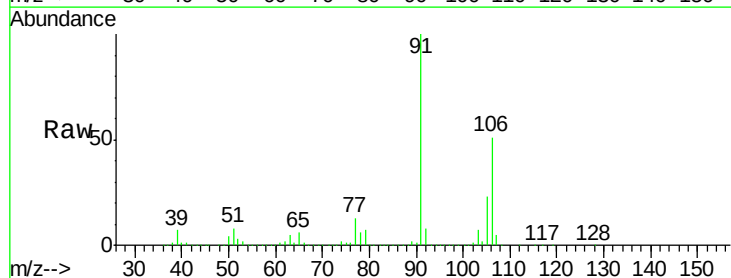
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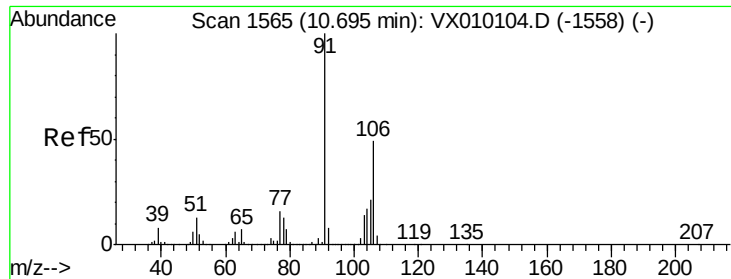
MMDadoda
6/10/2019 10:53:01 AM



#68
m/p-Xylenes
Concen: 37.696 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Tgt Ion	Ratio	Lower	Upper
106	100		
91	193.3	167.3	250.9





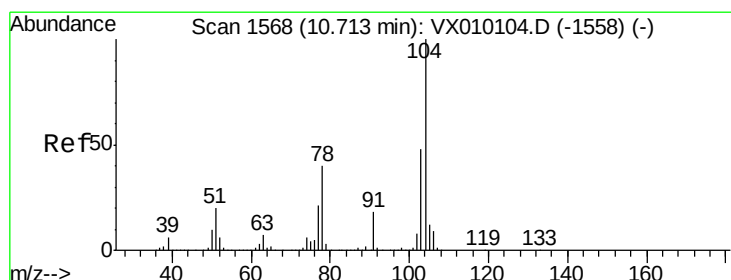
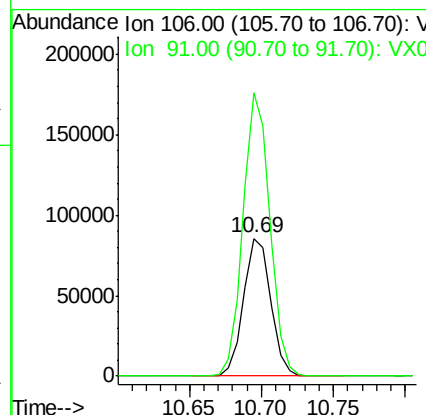
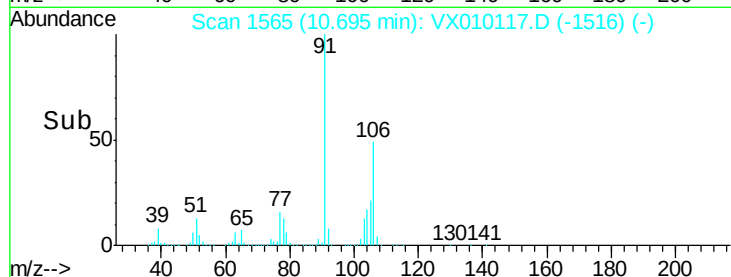
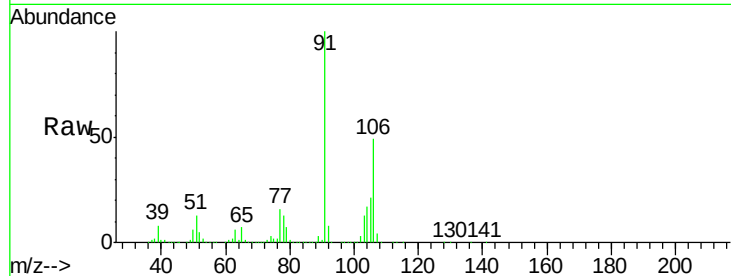
#69
o-Xylene
Concen: 18.854 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Instrument :
MSVOA_X
ClientSampleId :
VX0607WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	112681		
91	91	202.0	110.4	331.2	

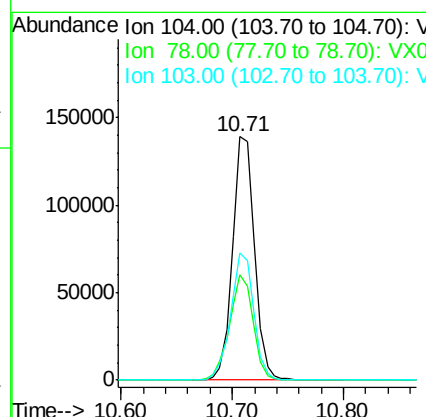
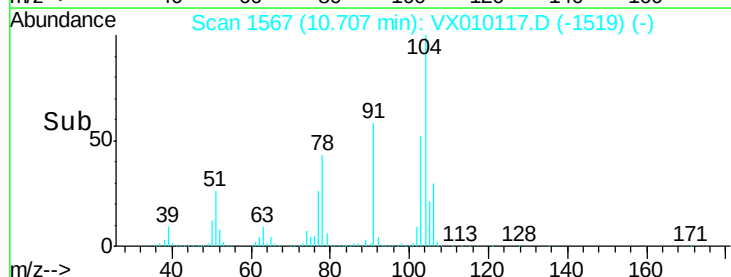
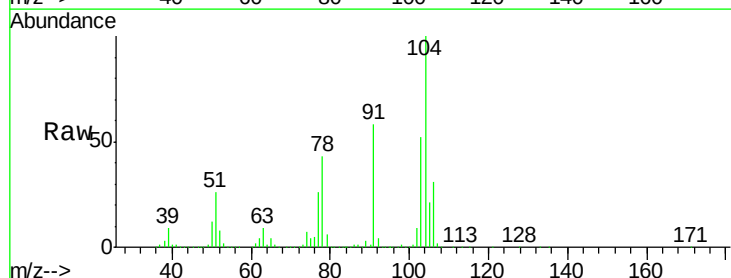
Manual Integrations
APPROVED

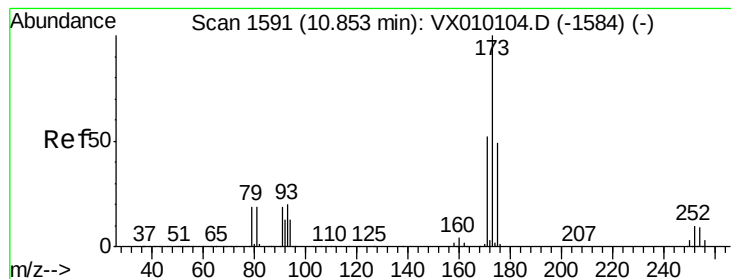
MMDadoda
6/10/2019 10:53:01 AM



#70
Styrene
Concen: 18.775 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	190041		
78	78	46.5	42.1	63.1	
103	103	54.8	44.1	66.1	





#71

Bromoform

Concen: 18.492 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010117.D

Acq: 07 Jun 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

VX0607WBSD01

Tot Ion:173 Resp: 59665

Ion Ratio Lower Upper

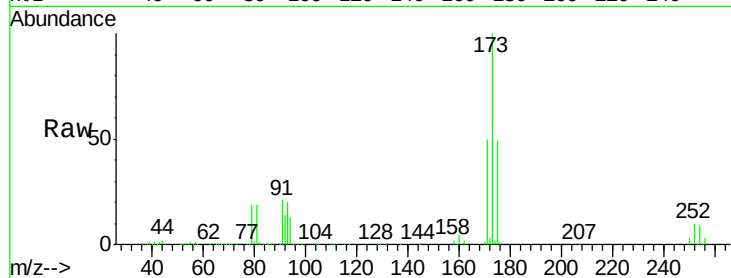
173 100

175 47.5 25.0 75.0

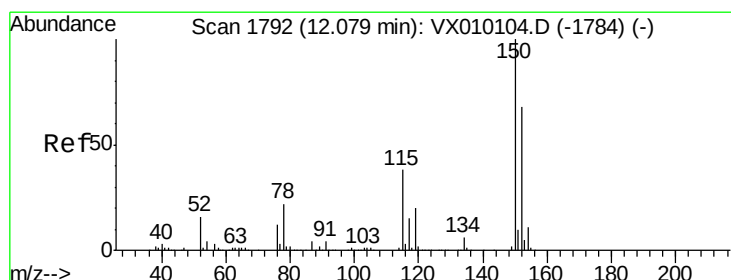
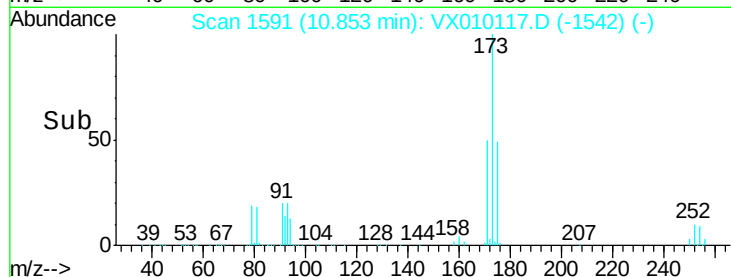
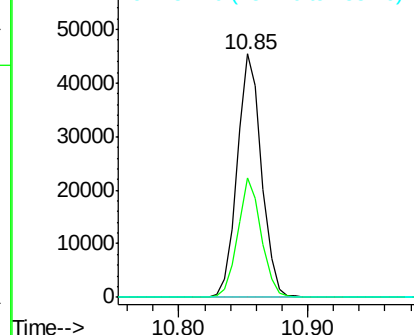
254 0.0 0.2 0.2#

Manual Integrations
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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: VX010117.D

Acq: 07 Jun 2019 18:37

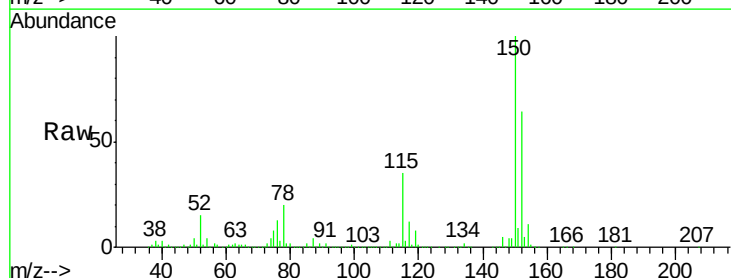
Tgt Ion:152 Resp: 222361

Ion Ratio Lower Upper

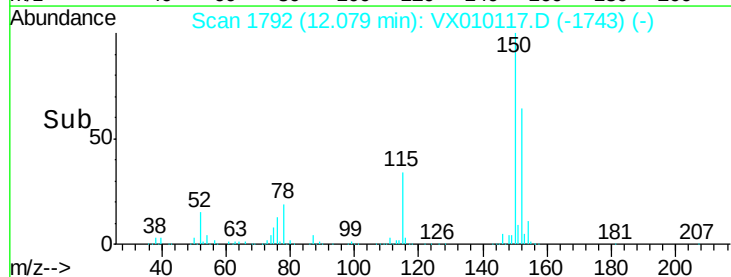
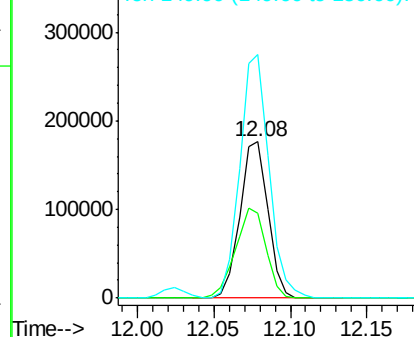
152 100

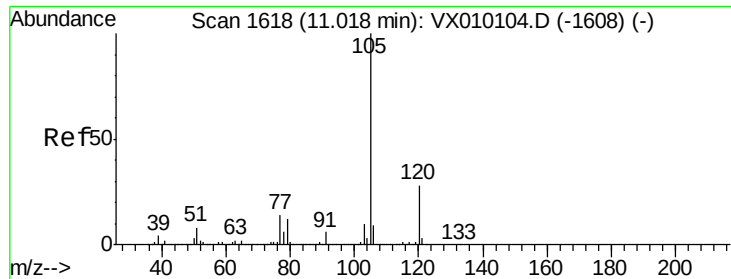
115 63.1 41.4 124.2

150 162.7 0.0 345.2



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: 18.735 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010117.D

Acq: 07 Jun 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

VX0607WBSD01

Tot Ion:105 Resp: 290809

Ion Ratio Lower Upper

105 100

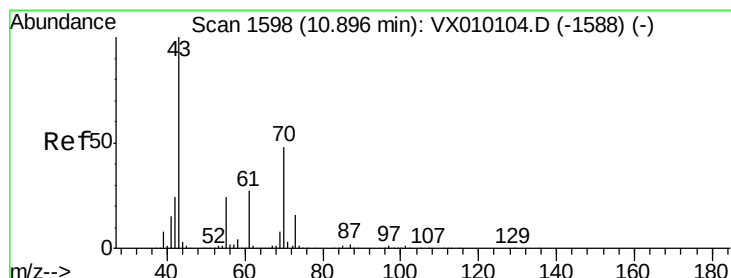
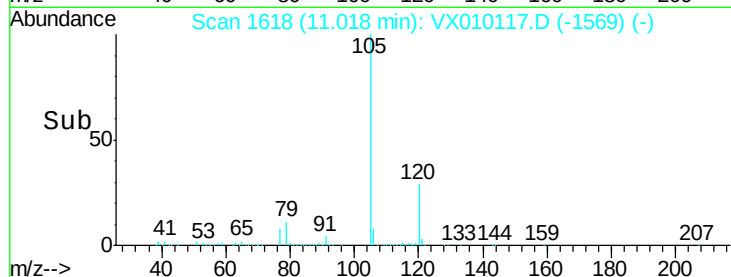
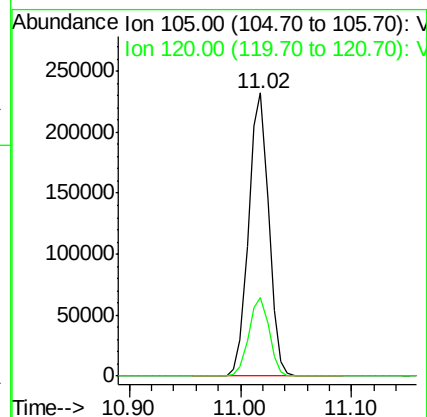
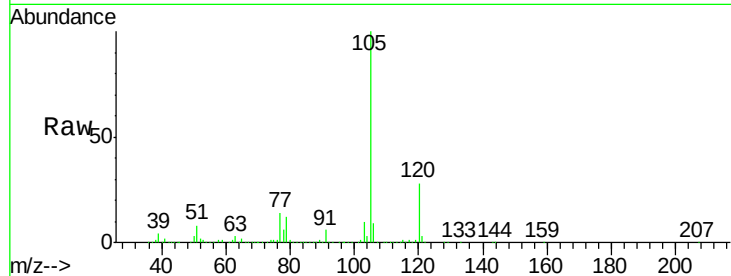
120 28.0 12.8 38.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.057 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010117.D

Acq: 07 Jun 2019 18:37

Tgt Ion: 43 Resp: 116930

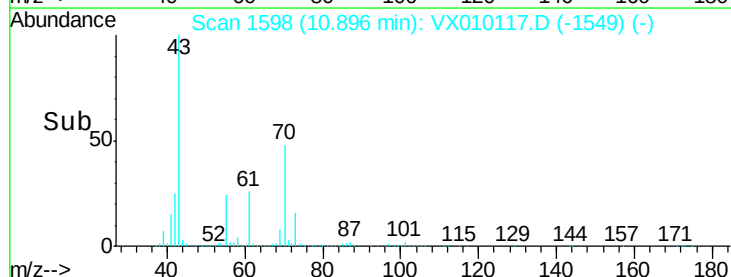
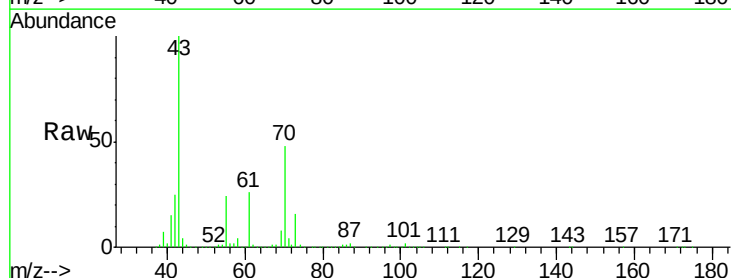
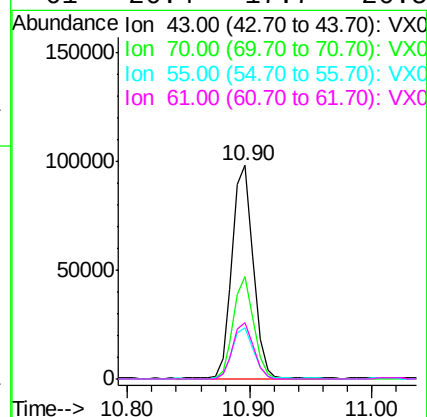
Ion Ratio Lower Upper

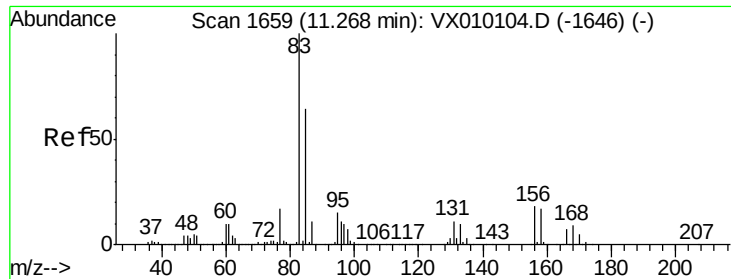
43 100

70 46.7 28.6 43.0#

55 24.0 17.8 26.8

61 26.4 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.065 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010117.D

Acq: 07 Jun 2019 18:37

Instrument :

MSVOA_X

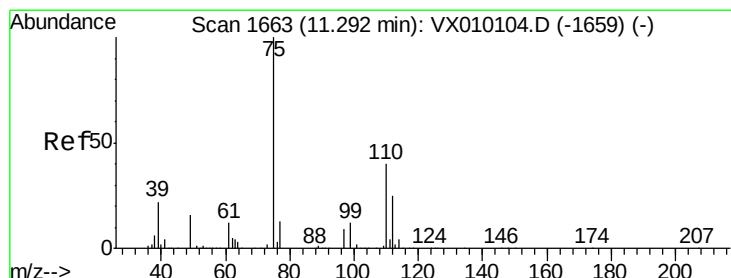
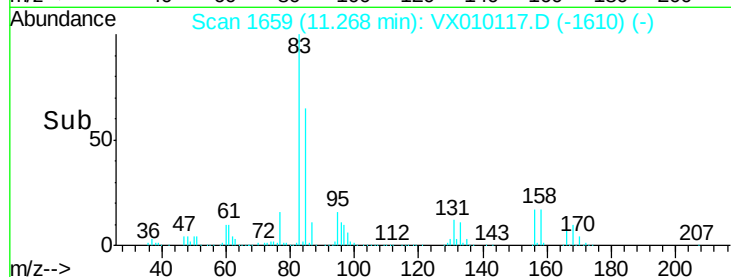
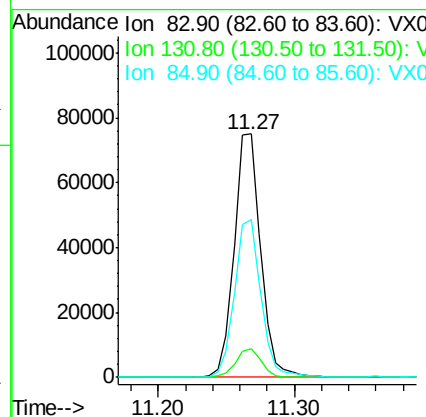
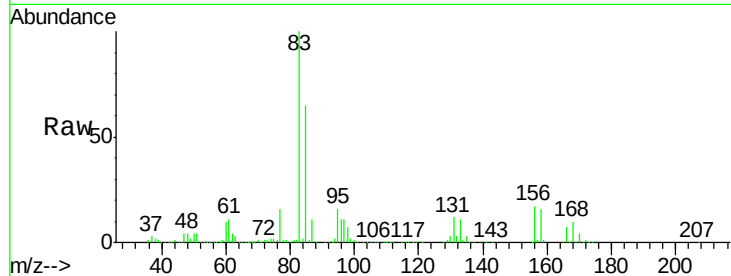
ClientSampleId :

VX0607WBSD01

Tot Ion:	83	Resp:	101303
Ion Ratio	Lower	Upper	
83	100		
131	11.4	4.7	14.1
85	64.6	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.344 ug/l m

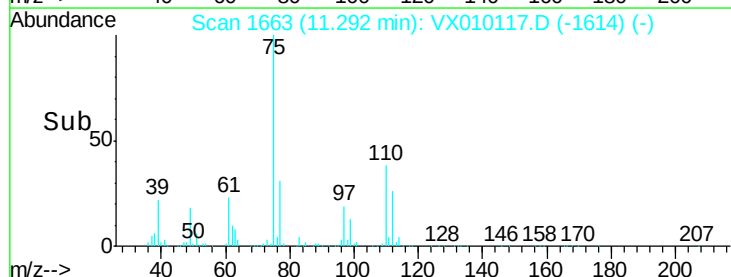
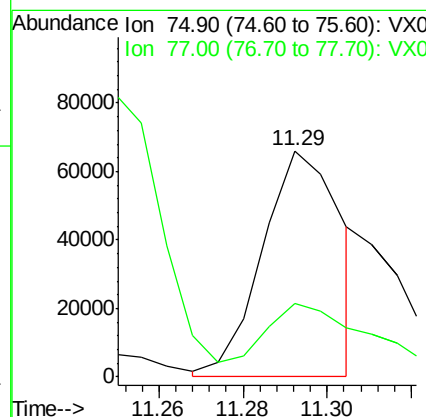
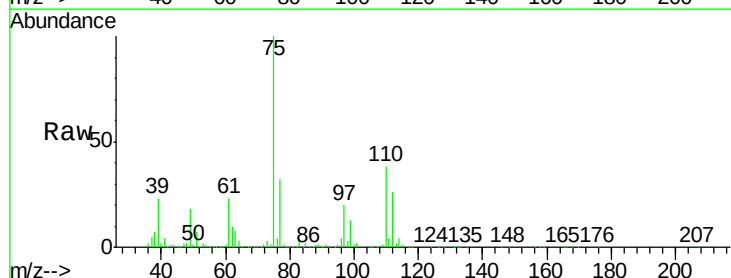
RT: 11.29 min Scan# 1663

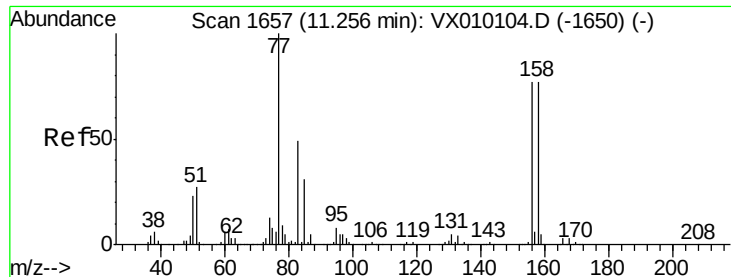
Delta R.T. 0.00 min

Lab File: VX010117.D

Acq: 07 Jun 2019 18:37

Tgt Ion:	75	Resp:	86036
Ion Ratio	Lower	Upper	
75	100		
77	44.3	22.1	66.1





#77

Bromobenzene

Concen: 18.486 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX010117.D

Acq: 07 Jun 2019 18:37

Instrument :

MSVOA_X

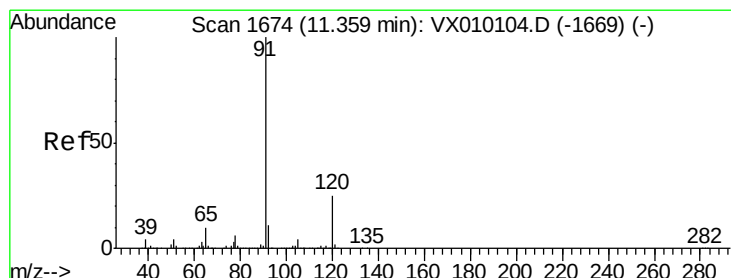
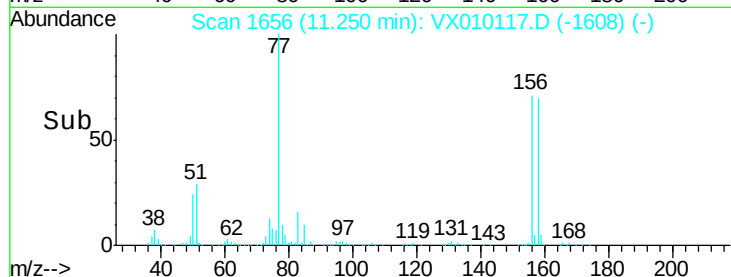
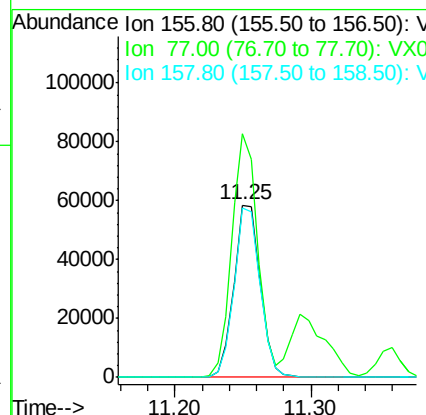
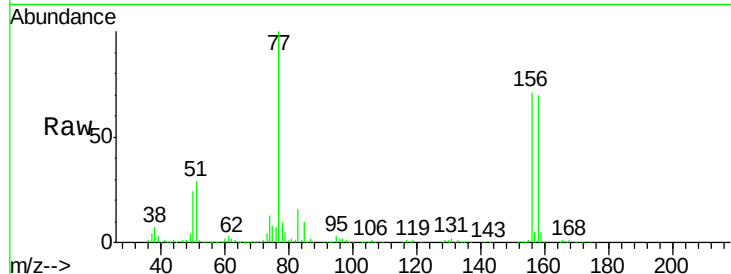
ClientSampleId :

VX0607WBSD01

Tot Ion:	156	Resp:	78910
Ion	Ratio	Lower	Upper
156	100		
77	137.8	86.8	260.3
158	97.0	49.6	148.8

Manual Integrations
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#78

n-propylbenzene

Concen: 18.585 ug/l

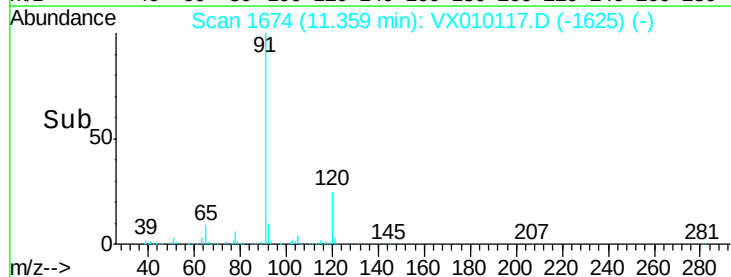
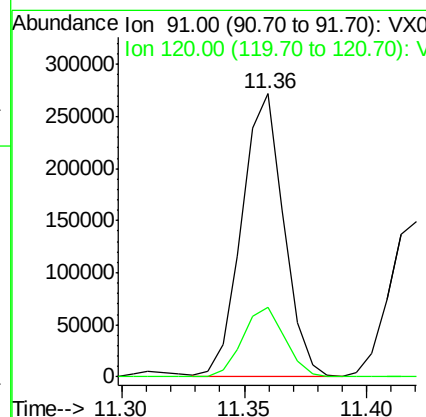
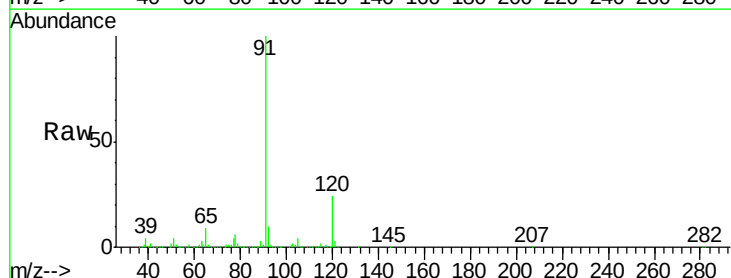
RT: 11.36 min Scan# 1674

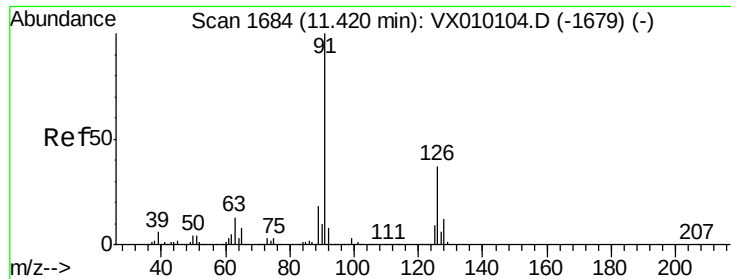
Delta R.T. 0.00 min

Lab File: VX010117.D

Acq: 07 Jun 2019 18:37

Tgt Ion:	91	Resp:	321154
Ion	Ratio	Lower	Upper
91	100		
120	25.1	11.1	33.3





#79

2-Chlorotoluene

Concen: 18.283 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010117.D

Acq: 07 Jun 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

VX0607WBSD01

Tot Ion: 91 Resp: 189759

Ion Ratio Lower Upper

91 100

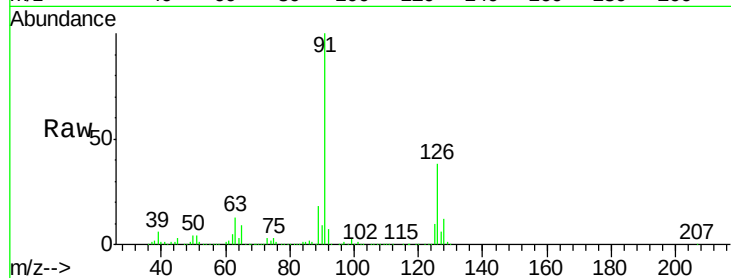
126 38.0 16.1 48.3

Manual Integrations

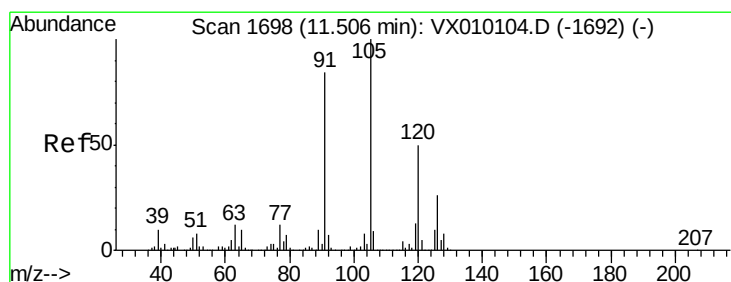
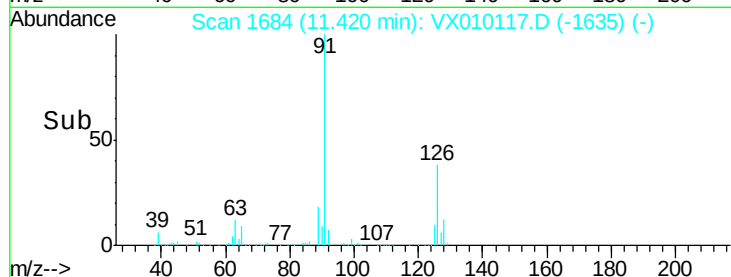
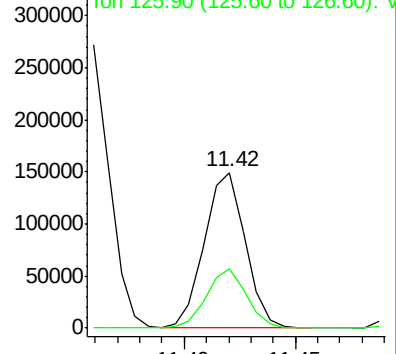
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Abundance Ion 91.00 (90.70 to 91.70): VX010117.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.717 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010117.D

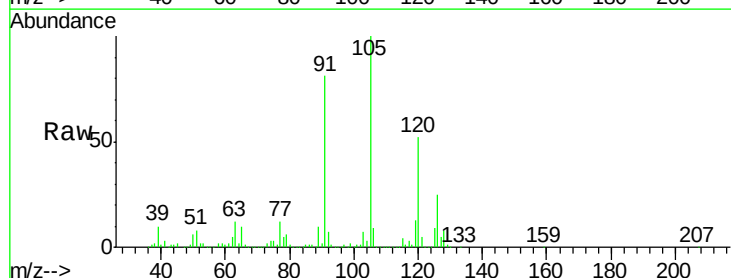
Acq: 07 Jun 2019 18:37

Tgt Ion: 105 Resp: 244702

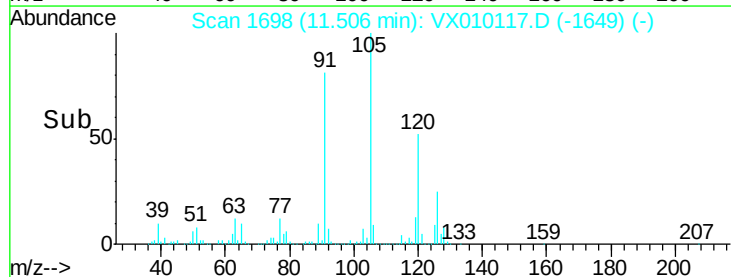
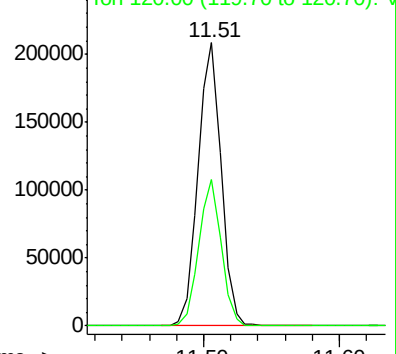
Ion Ratio Lower Upper

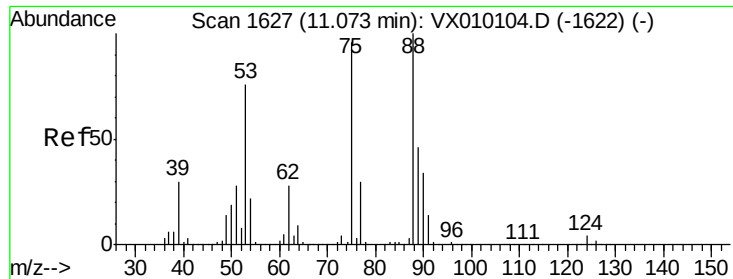
105 100

120 50.3 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VX010117.D (-1649) (-)





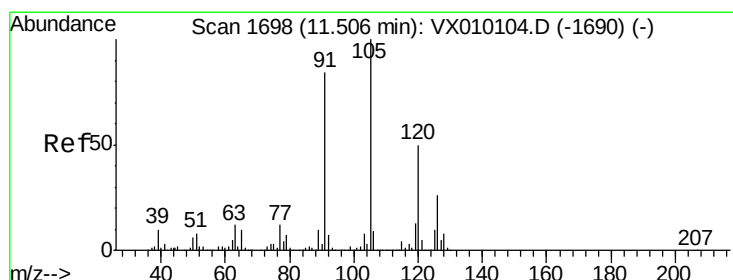
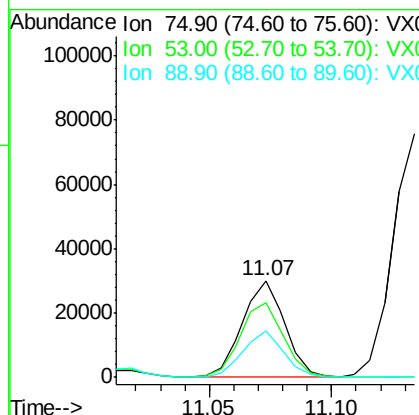
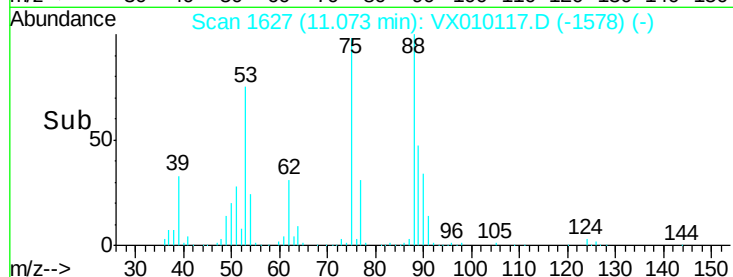
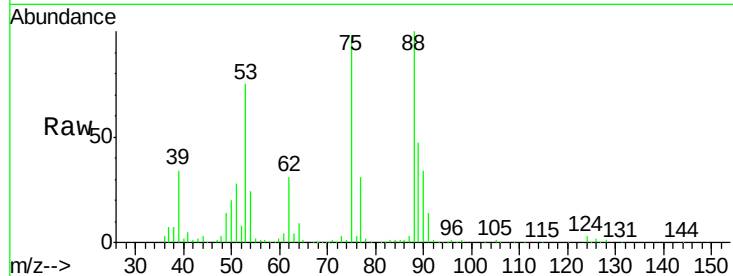
#81
trans-1,4-Dichloro-2-butene
Concen: 18.033 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Instrument :
MSVOA_X
ClientSampleId :
VX0607WBSD01

Tot Ion: 75 Resp: 36300
Ion Ratio Lower Upper
75 100
53 78.3 79.8 119.6#
89 46.7 34.2 51.4

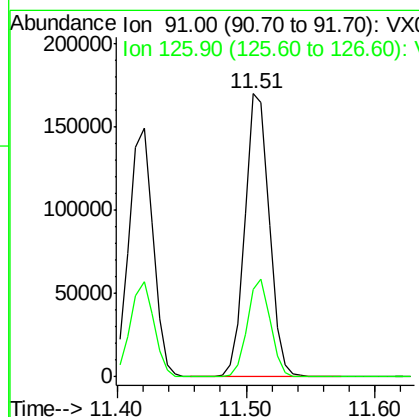
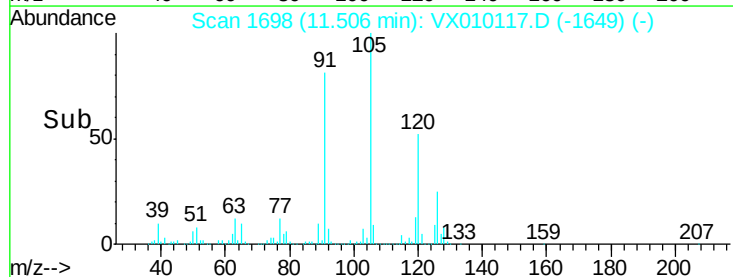
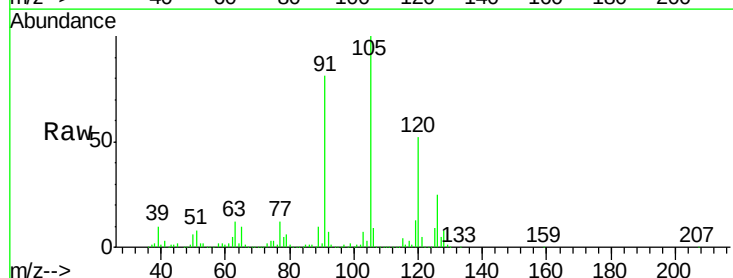
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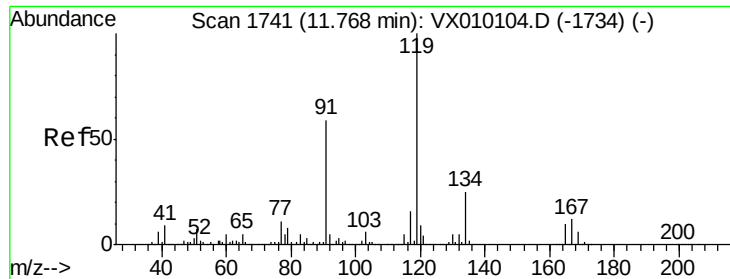
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#82
4-Chlorotoluene
Concen: 18.598 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Tgt Ion: 91 Resp: 219273
Ion Ratio Lower Upper
91 100
126 33.2 14.2 42.6





#83

tert-Butylbenzene

Concen: 18.705 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010117.D

Acq: 07 Jun 2019 18:37

Instrument :

MSVOA_X

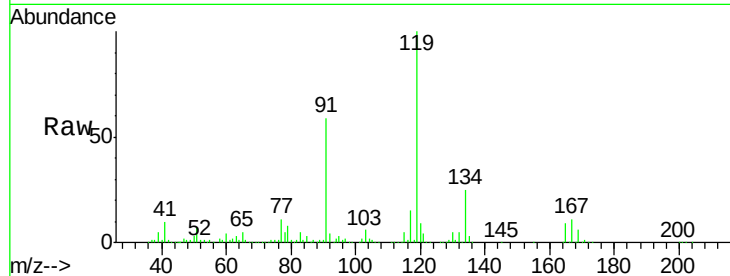
ClientSampleId :

VX0607WBSD01

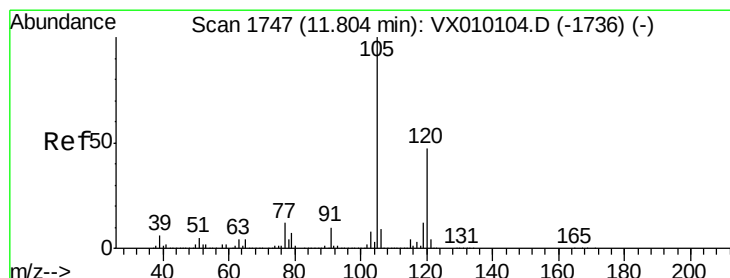
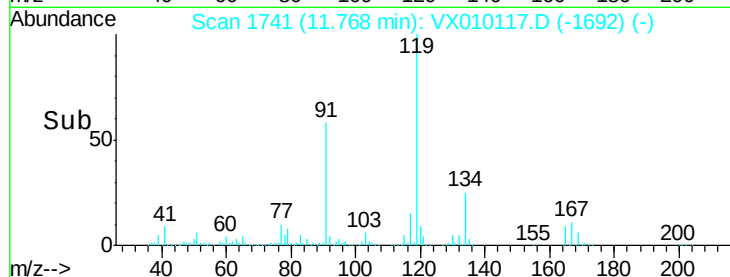
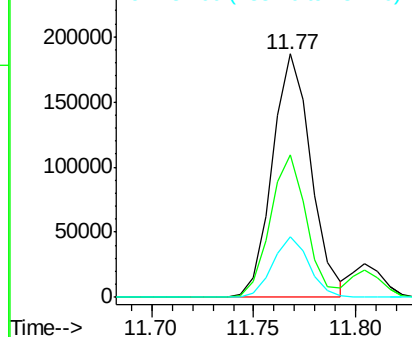
Tot Ion:	119	Resp:	247521
Ion Ratio	Lower	Upper	
119	100		
91	55.3	30.0	90.0
134	23.4	11.2	33.5

Manual Integrations
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 18.672 ug/l

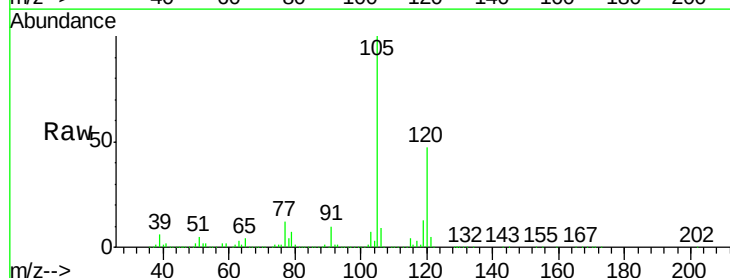
RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

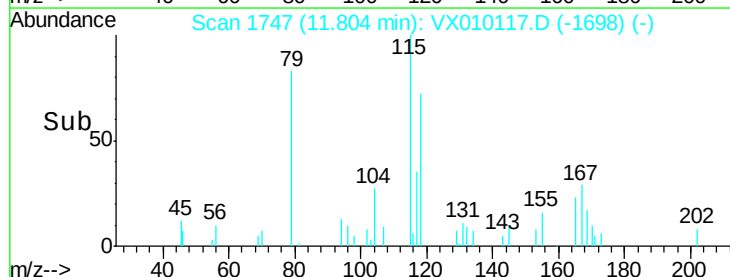
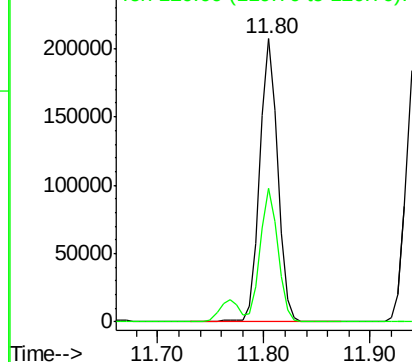
Lab File: VX010117.D

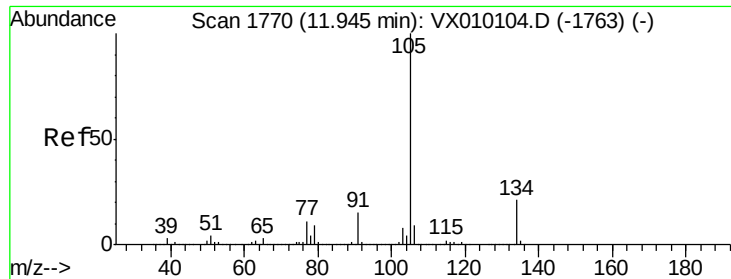
Acq: 07 Jun 2019 18:37

Tgt Ion:	105	Resp:	246579
Ion Ratio	Lower	Upper	
105	100		
120	46.7	22.1	66.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





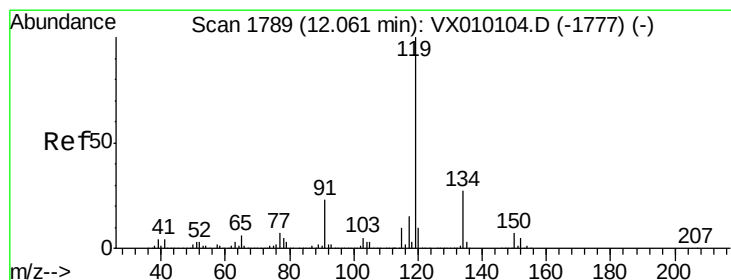
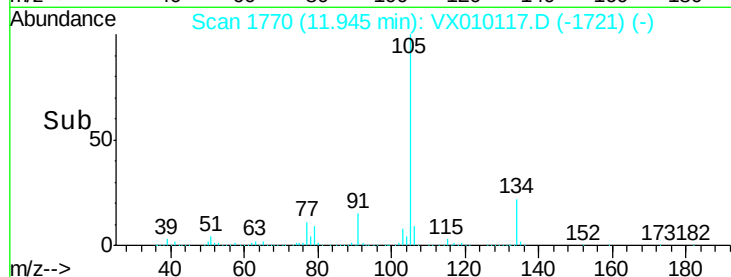
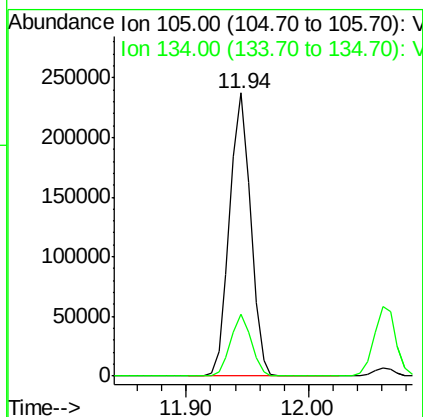
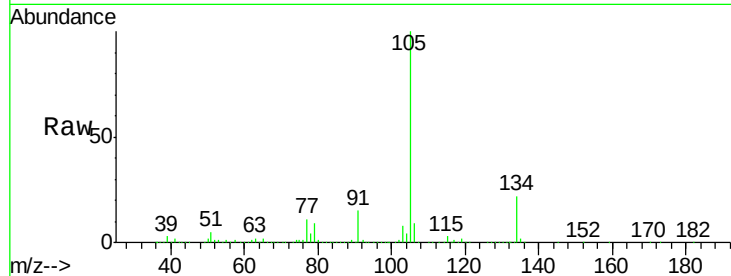
#85
 sec-Butylbenzene
 Concen: 18.261 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX010117.D
 Acq: 07 Jun 2019 18:37

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0607WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	281521		
134	21.5	9.7	28.9	

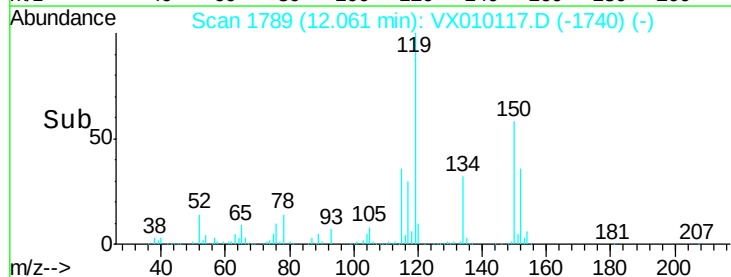
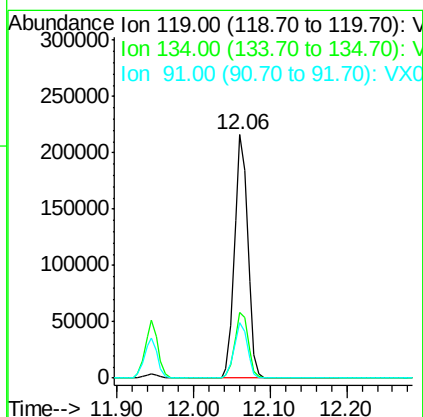
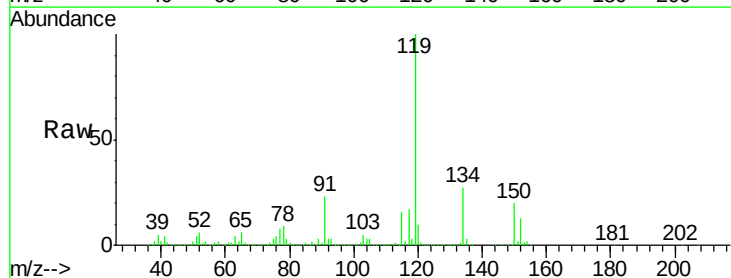
Manual Integrations
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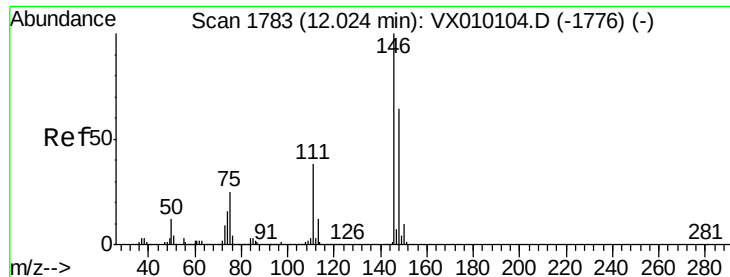
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#86
 p-Isopropyltoluene
 Concen: 18.448 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX010117.D
 Acq: 07 Jun 2019 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	260001		
134	27.7	12.9	38.6	
91	22.6	11.9	35.9	





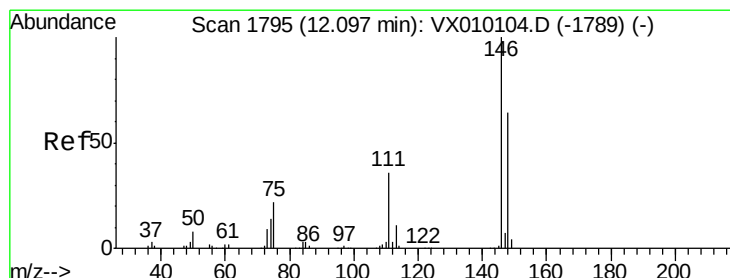
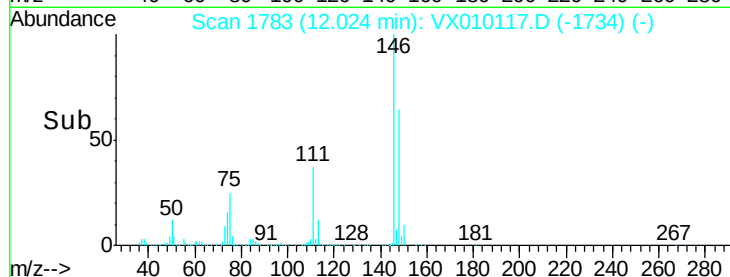
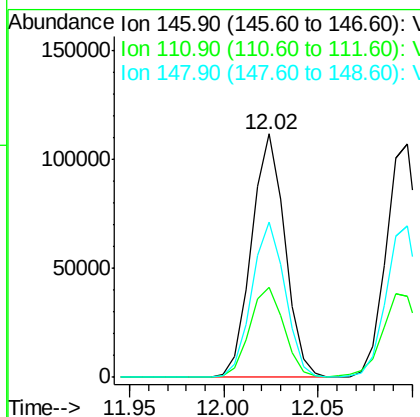
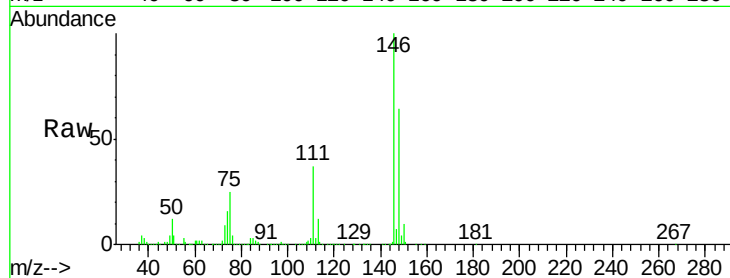
#87
 1,3-Dichlorobenzene
 Concen: 18.327 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010117.D
 Acq: 07 Jun 2019 18:37

Instrument :
 MSVOA_X
 ClientSampled :
 VX0607WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	20.1	60.2
148	63.6	31.9	95.5

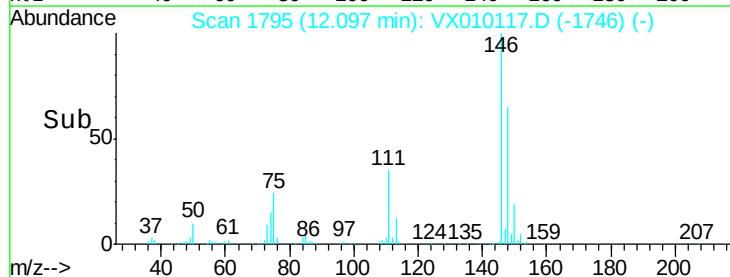
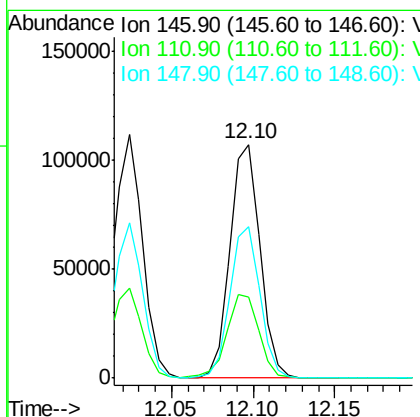
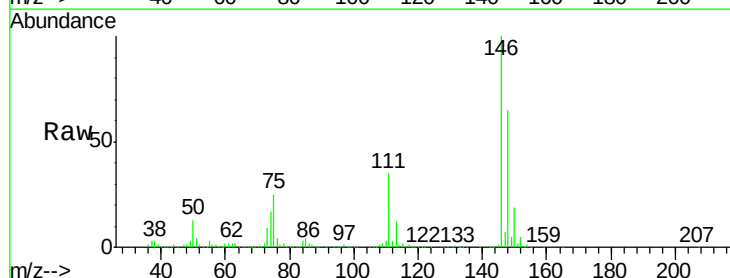
Manual Integrations
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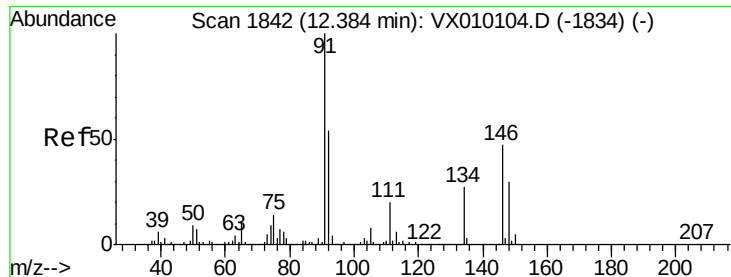
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#88
 1,4-Dichlorobenzene
 Concen: 18.084 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010117.D
 Acq: 07 Jun 2019 18:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	20.0	59.9
148	64.9	32.3	96.9





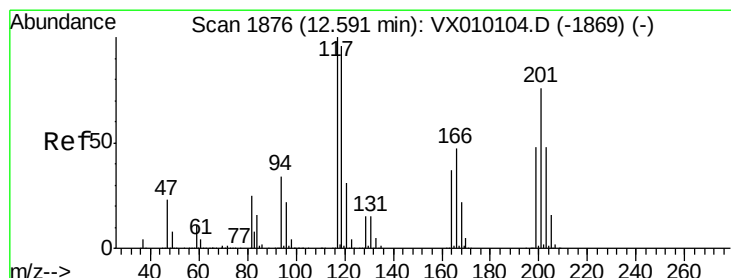
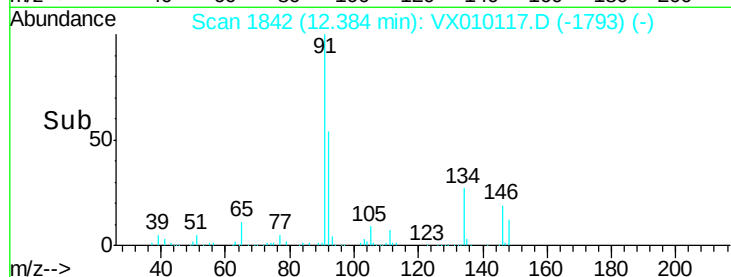
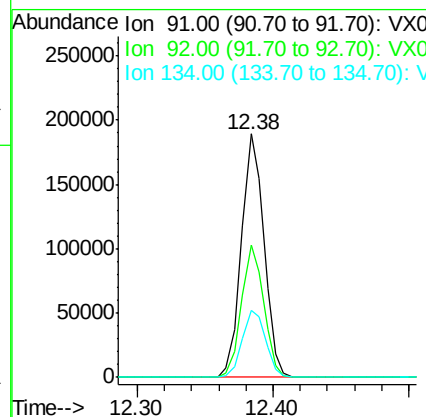
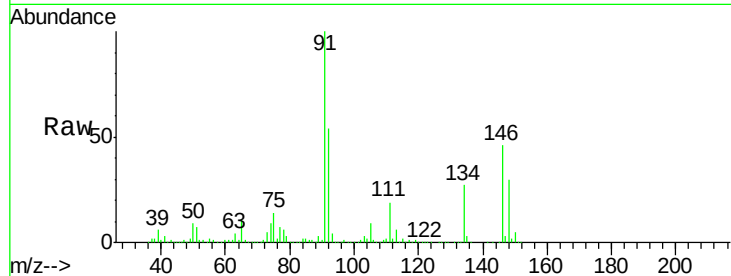
#89
n-Butylbenzene
Concen: 18.051 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Instrument :
MSVOA_X
ClientSampleId :
VX0607WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	218991		
92	53.7	26.3	78.8	
134	28.7	12.3	36.8	

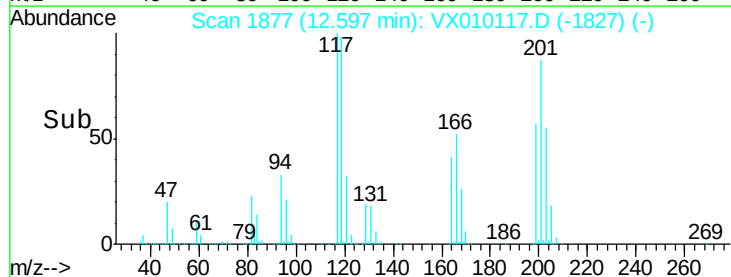
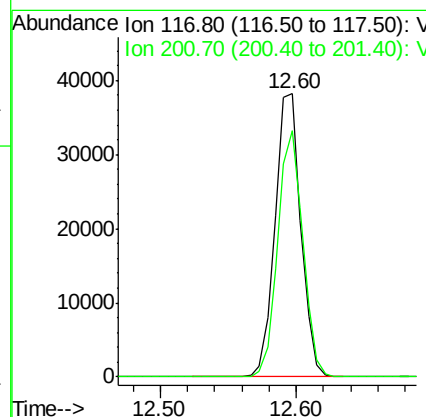
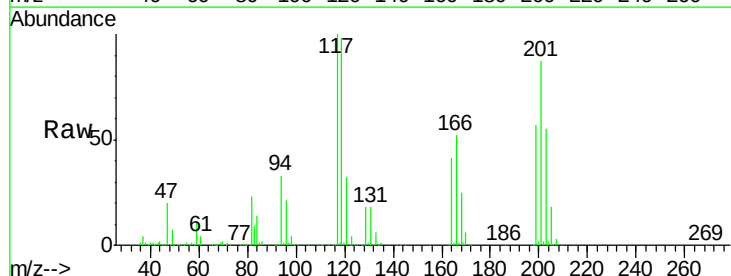
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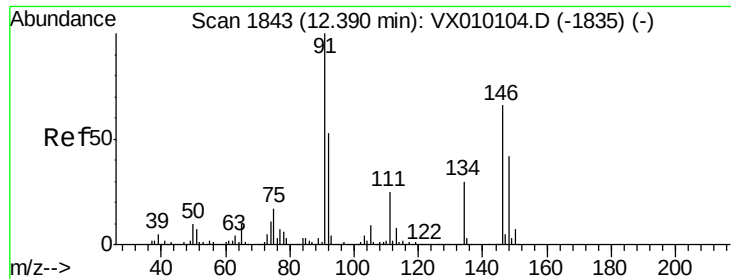
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#90
Hexachloroethane
Concen: 18.120 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	50873		
201	84.0	43.6	130.9	





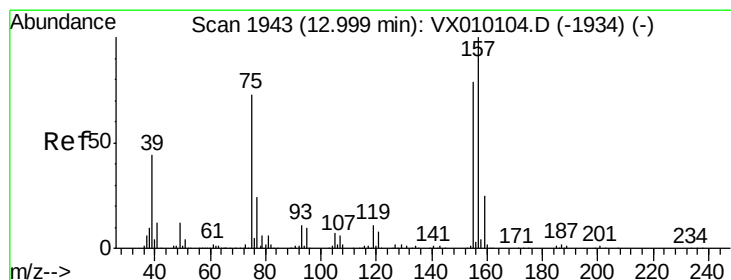
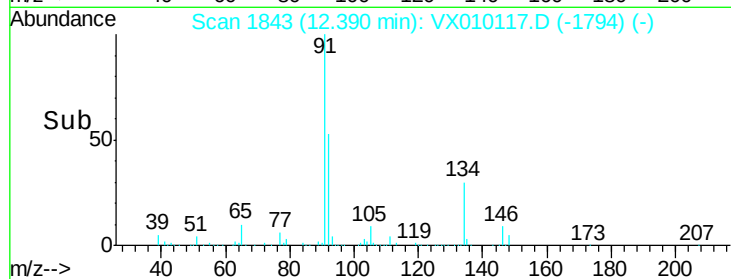
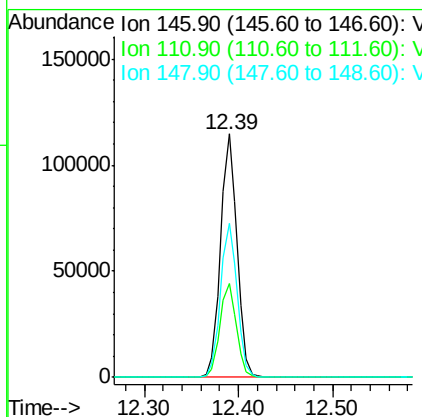
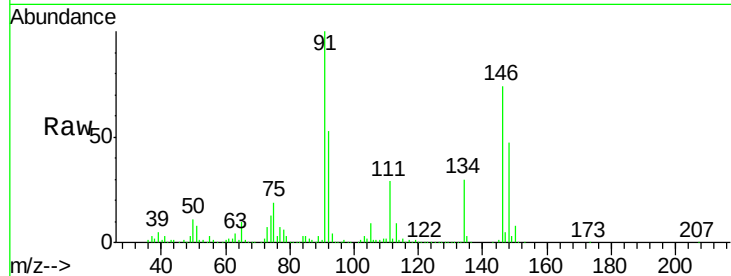
#91
 1,2-Dichlorobenzene
 Concen: 19.007 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010117.D
 Acq: 07 Jun 2019 18:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0607WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	21.1	63.1
148	63.9	32.3	96.8

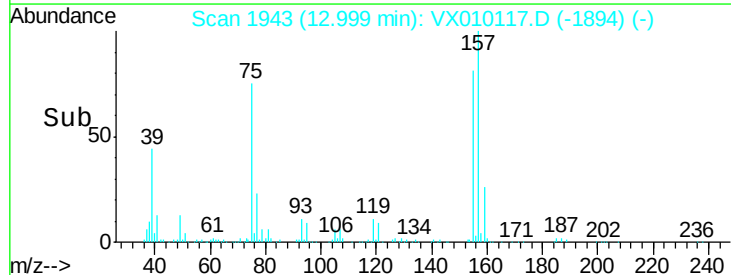
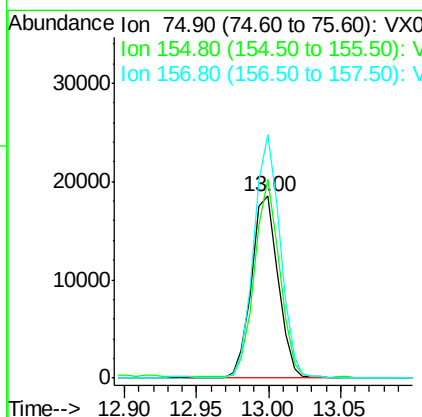
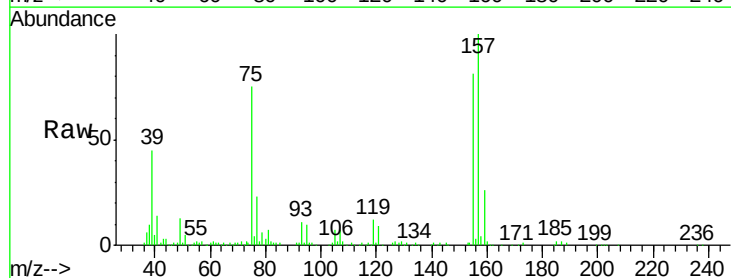
Manual Integrations
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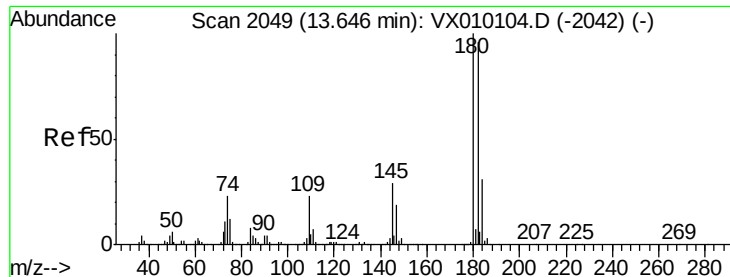
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.974 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010117.D
 Acq: 07 Jun 2019 18:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.6	39.3	117.8
157	131.4	50.6	151.8





#93

1,2,4-Trichlorobenzene

Concen: 17.864 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX010117.D

Acq: 07 Jun 2019 18:37

Instrument :

MSVOA_X

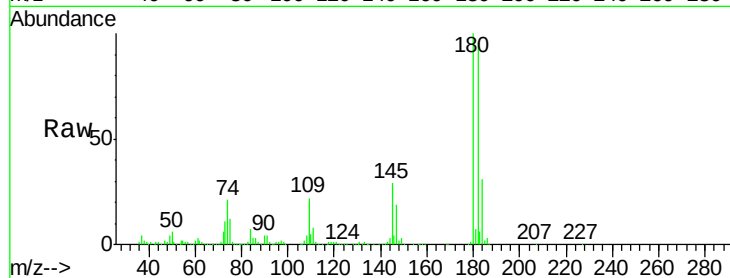
ClientSampleId :

VX0607WBSD01

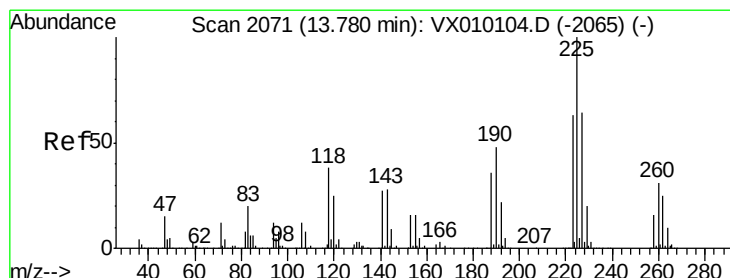
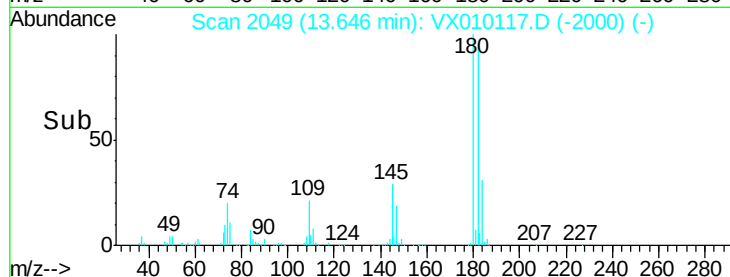
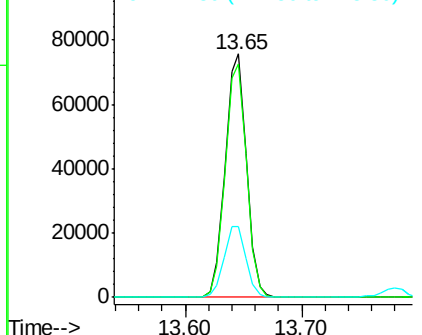
Tot Ion:	180	Resp:	95582
Ion Ratio	Lower	Upper	
180	100		
182	96.8	47.4	142.2
145	30.2	14.5	43.5

Manual Integrations
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Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 17.590 ug/l

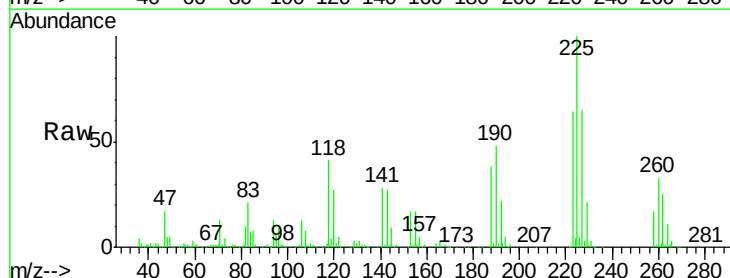
RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

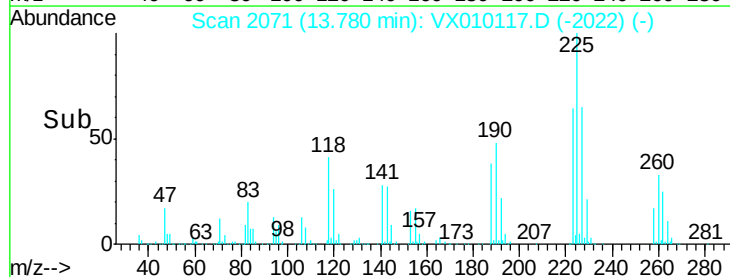
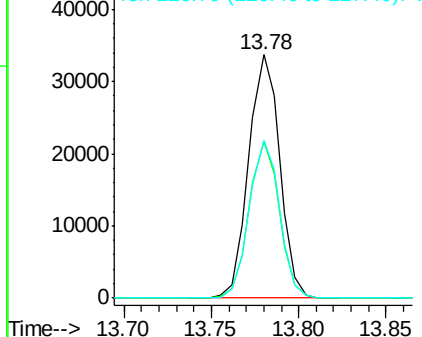
Lab File: VX010117.D

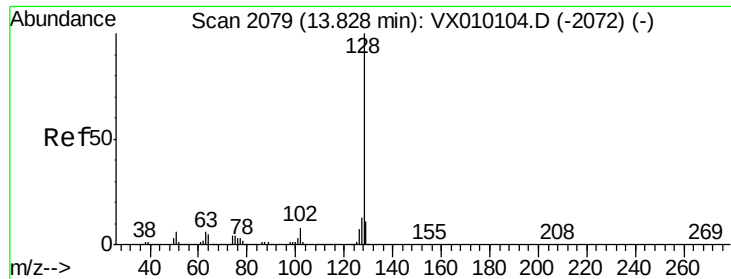
Acq: 07 Jun 2019 18:37

Tgt Ion:	225	Resp:	41856
Ion Ratio	Lower	Upper	
225	100		
223	62.7	31.3	93.8
227	63.2	32.3	96.8



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





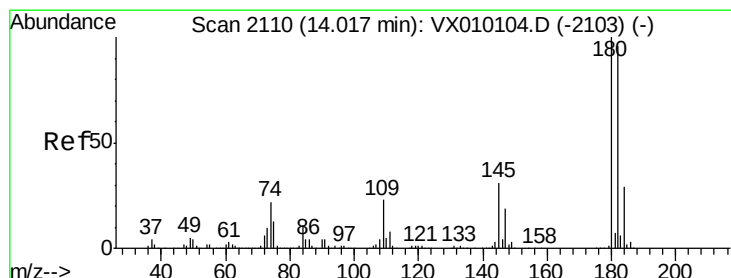
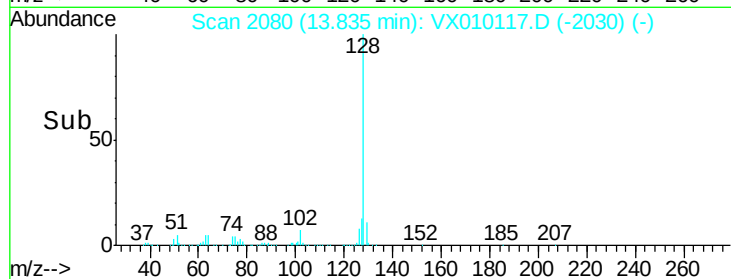
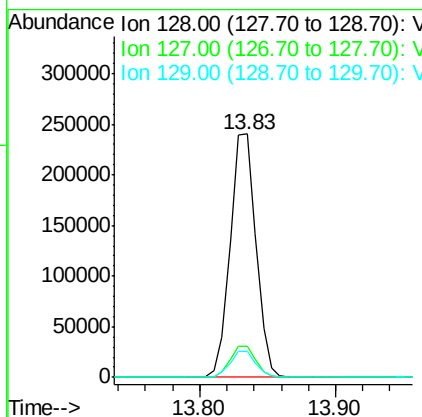
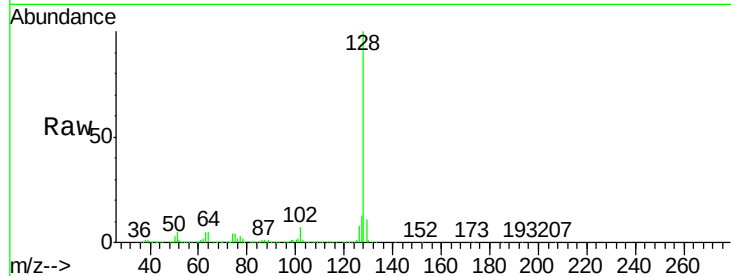
#95
Naphthalene
Concen: 18.822 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.01 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Instrument :
MSVOA_X
ClientSampleId :
VX0607WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.6	16.0
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/10/2019 10:53:01 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.325 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX010117.D
Acq: 07 Jun 2019 18:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.3	142.0
145	31.1	15.6	46.7

