

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
 Data File : VW011048.D
 Acq On : 28 Jun 2019 06:29
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/28/2019 10:27:04 AM

Quant Time: Jun 28 08:55:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:55:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	173118	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	311058	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	290998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	142795	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	135977	60.08	ug/l	0.00
Spiked Amount			Recovery	=	120.16%	
35) Dibromofluoromethane	7.88	113	99237	52.25	ug/l	0.00
Spiked Amount			Recovery	=	104.50%	
50) Toluene-d8	10.32	98	394178	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
62) 4-Bromofluorobenzene	12.61	95	145743	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	50758	38.894	ug/l	97
3) Chloromethane	2.21	50	83141	47.523	ug/l	96
4) Vinyl Chloride	2.35	62	98959	43.443	ug/l	98
5) Bromomethane	2.76	94	53626	47.296	ug/l	99
6) Chloroethane	2.91	64	56910	47.387	ug/l	99
7) Trichlorofluoromethane	3.24	101	25460	38.034	ug/l	88
8) Diethyl Ether	3.67	74	61610	58.115	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	82744	43.951	ug/l	100
10) Methyl Iodide	4.26	142	133862	50.821	ug/l	99
11) Tert butyl alcohol	5.17	59	45602	277.443	ug/l	98
12) 1,1-Dichloroethene	4.04	96	89566	45.705	ug/l	94
13) Acrolein	3.88	56	17209	134.264	ug/l	98
14) Allyl chloride	4.65	41	149492	47.397	ug/l	99
15) Acrylonitrile	5.35	53	162937	312.106	ug/l	100
16) Acetone	4.12	43	148862	269.476	ug/l	98
17) Carbon Disulfide	4.38	76	251400	45.220	ug/l	100
18) Methyl Acetate	4.66	43	94670	66.159	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	166739	60.116	ug/l	95
20) Methylene Chloride	4.92	84	115058	51.263	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	100108	49.575	ug/l	99
22) Diisopropyl ether	6.31	45	432141	56.936	ug/l	96
23) Vinyl Acetate	6.24	43	1241111	265.388	ug/l	99
24) 1,1-Dichloroethane	6.21	63	209971	52.410	ug/l	100
25) 2-Butanone	7.16	43	257363	306.498	ug/l	100
26) 2,2-Dichloropropane	7.16	77	74540	35.835	ug/l	95
27) cis-1,2-Dichloroethene	7.16	96	117988	54.267	ug/l	96
28) Bromochloromethane	7.51	49	103659	55.580	ug/l	99
29) Tetrahydrofuran	7.52	42	170913	326.973	ug/l	99
30) Chloroform	7.67	83	197464	54.253	ug/l	96
31) Cyclohexane	7.95	56	183149	42.308	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	133518	49.091	ug/l	99
36) 1,1-Dichloropropene	8.08	75	144928	43.349	ug/l	100
37) Ethyl Acetate	7.25	43	110960	57.050	ug/l	97
38) Carbon Tetrachloride	8.06	117	118743	43.128	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	168136	40.864	ug/l	99
40) Benzene	8.32	78	447334	48.647	ug/l	100
41) Methacrylonitrile	7.48	41	63357	53.542	ug/l	95
42) 1,2-Dichloroethane	8.40	62	159835	53.012	ug/l	100
43) Isopropyl Acetate	8.42	43	211992	57.617	ug/l	99
44) Trichloroethene	9.09	130	104491	47.018	ug/l	94
45) 1,2-Dichloropropane	9.37	63	128659	51.523	ug/l	98
46) Dibromomethane	9.46	93	62796	53.770	ug/l	99
47) Bromodichloromethane	9.64	83	151325	52.335	ug/l	99
48) Methyl methacrylate	9.43	41	103192	57.843	ug/l	97
49) 1,4-Dioxane	9.44	88	22983	1170.434	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	575922	297.362	ug/l	100
52) Toluene	10.38	92	275507	48.937	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	151858	50.422	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	179877	50.068	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	89122	54.014	ug/l	98
56) Ethyl methacrylate	10.65	69	144238	58.378	ug/l	99
57) 1,3-Dichloropropane	10.93	76	169896	54.132	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	327531	261.997	ug/l	100
59) 2-Hexanone	10.97	43	401171	297.022	ug/l	100
60) Dibromochloromethane	11.13	129	94103	54.387	ug/l	99
61) 1,2-Dibromoethane	11.23	107	85163	55.134	ug/l	100
64) Tetrachloroethene	10.86	164	118361	59.104	ug/l	98
65) Chlorobenzene	11.66	112	285071	47.857	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	102325	50.595	ug/l	99
67) Ethyl Benzene	11.73	91	526431	46.142	ug/l	100
68) m/p-Xylenes	11.84	106	381543	92.163	ug/l	99
69) o-Xylene	12.16	106	184790	47.923	ug/l	99
70) Styrene	12.18	104	329870	49.230	ug/l	100
71) Bromoform	12.35	173	54042	54.812	ug/l #	100
73) Isopropylbenzene	12.46	105	490728	45.874	ug/l	99
74) N-amyl acetate	12.27	43	196754	54.767	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	112823	53.708	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	80802m	53.598	ug/l	
77) Bromobenzene	12.75	156	117177	49.835	ug/l	100
78) n-propylbenzene	12.80	91	595745	44.972	ug/l	99
79) 2-Chlorotoluene	12.89	91	357351	47.218	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	426325	47.020	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	29043	41.730	ug/l	98
82) 4-Chlorotoluene	12.99	91	372208	47.193	ug/l	100
83) tert-Butylbenzene	13.21	119	343899	45.484	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	434247	47.384	ug/l	100
85) sec-Butylbenzene	13.38	105	492377	44.829	ug/l	100
86) p-Isopropyltoluene	13.50	119	444955	45.018	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	220504	47.409	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	222935	48.016	ug/l	98
89) n-Butylbenzene	13.82	91	432004	43.002	ug/l	100
90) Hexachloroethane	14.10	117	78942	46.679	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	208678	49.954	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20214	56.620	ug/l	98

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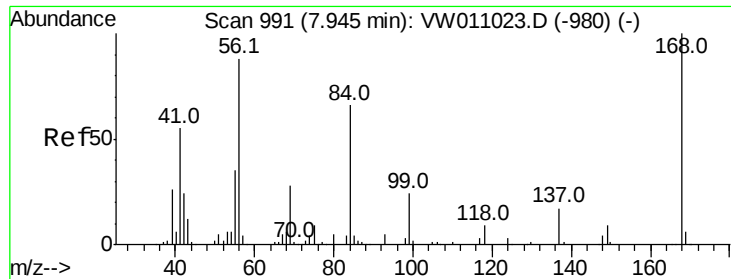
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	140716	47.877	ug/l	98
94) Hexachlorobutadiene	15.24	225	77588	43.524	ug/l	99
95) Naphthalene	15.37	128	317093	57.435	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	131291	50.026	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011048.D

Acq: 28 Jun 2019 06:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 173118

Ion Ratio Lower Upper

168 100

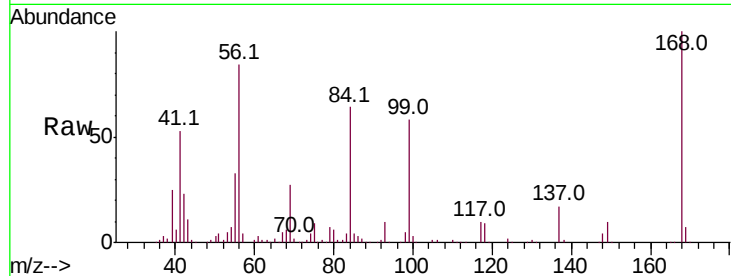
99 58.1 47.8 71.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

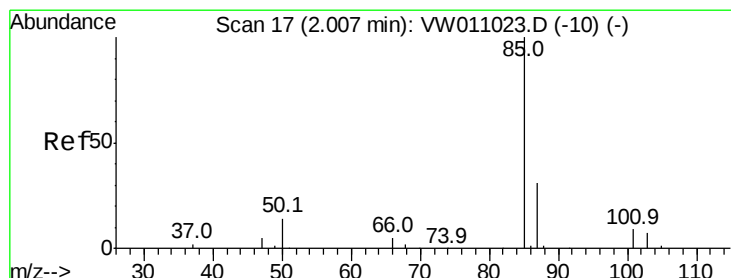
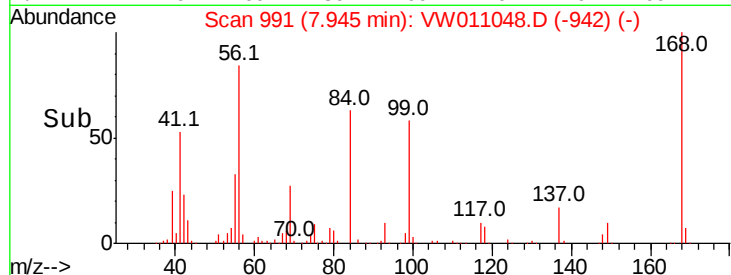
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 38.894 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011048.D

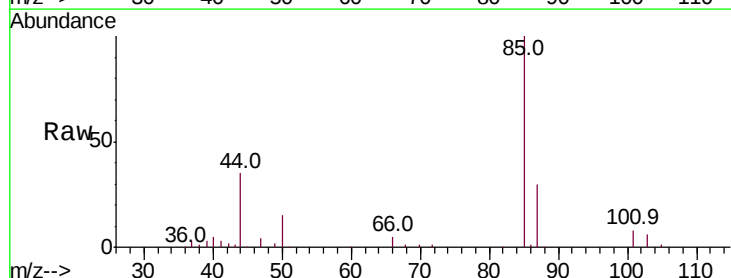
Acq: 28 Jun 2019 06:29

Tgt Ion: 85 Resp: 50758

Ion Ratio Lower Upper

85 100

87 29.7 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

15000

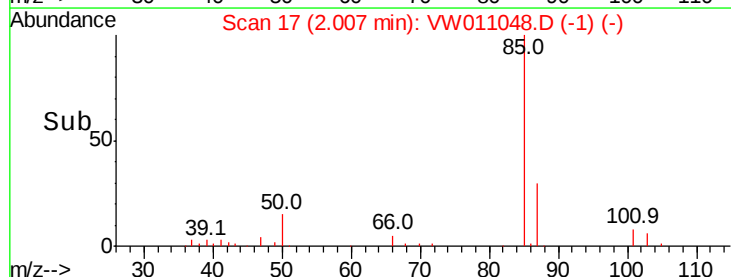
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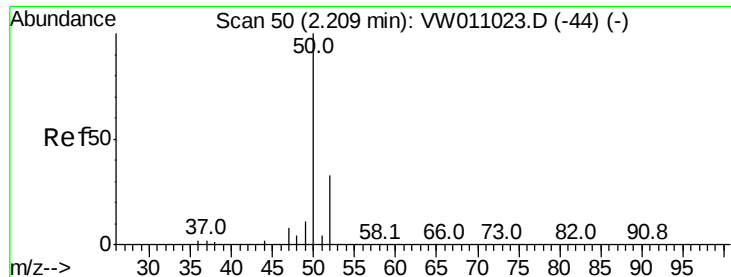
5000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 47.523 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW011048.D

Acq: 28 Jun 2019 06:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 83141

Ion Ratio Lower Upper

50 100

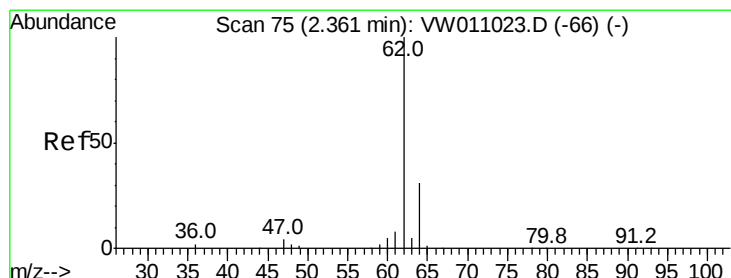
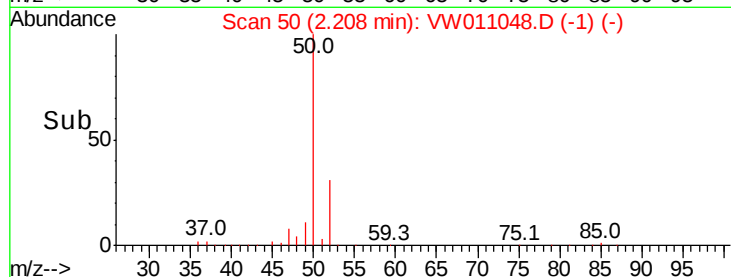
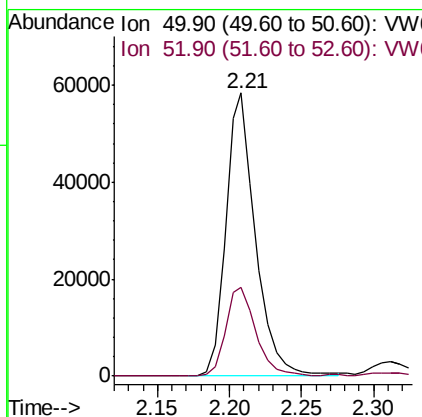
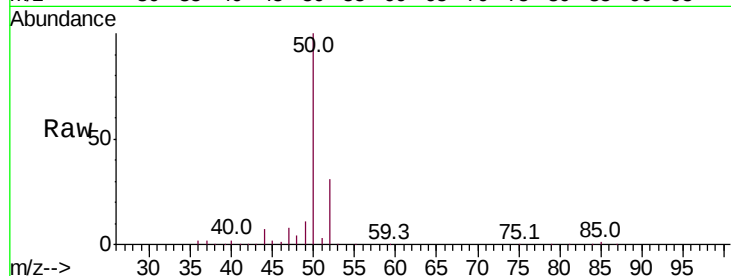
52 31.2 26.6 40.0

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#4

Vinyl Chloride

Concen: 43.443 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011048.D

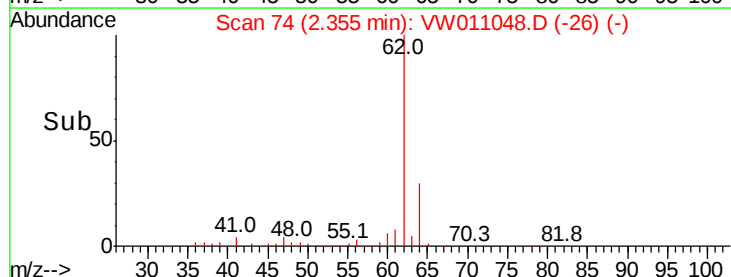
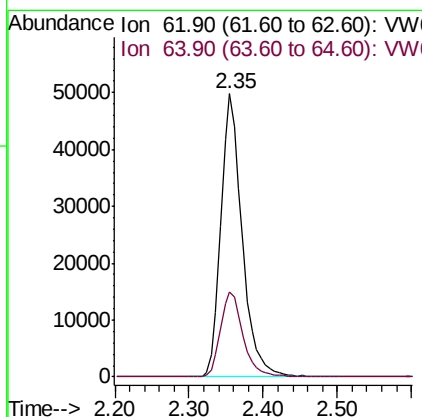
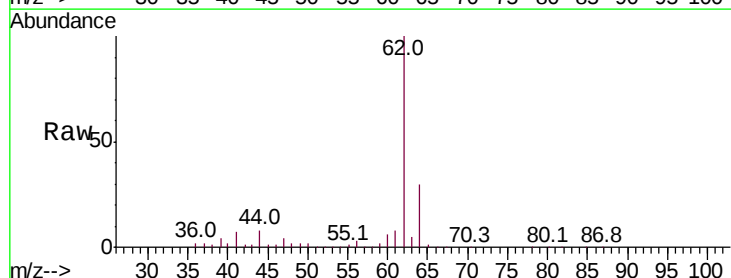
Acq: 28 Jun 2019 06:29

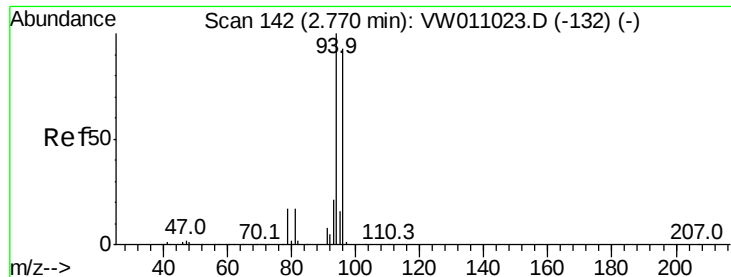
Tgt Ion: 62 Resp: 98959

Ion Ratio Lower Upper

62 100

64 30.0 24.8 37.2





#5

Bromomethane

Concen: 47.296 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011048.D

Acq: 28 Jun 2019 06:29

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VSTDCCC050EC

Tot Ion: 94 Resp: 53626

Ion Ratio Lower Upper

94 100

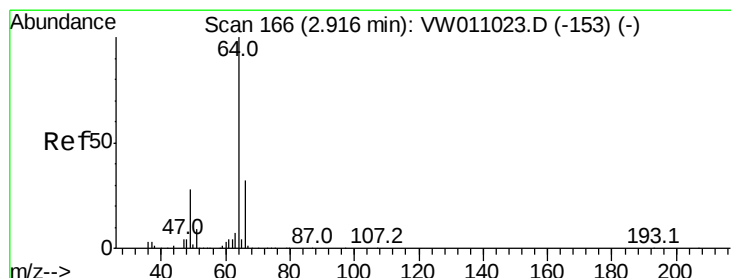
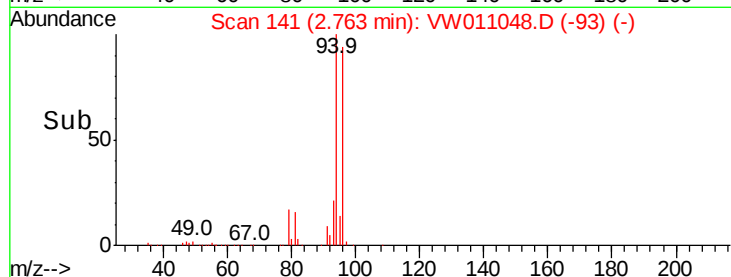
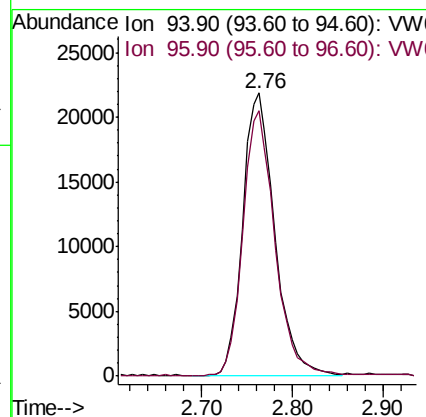
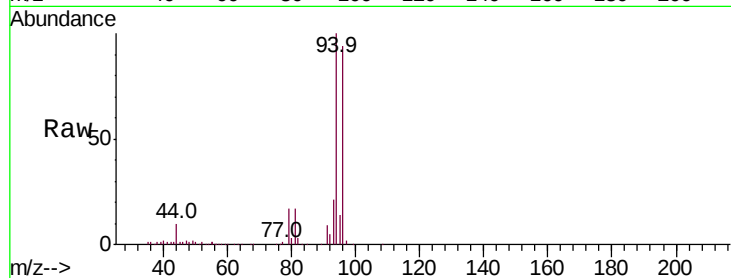
96 93.4 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 47.387 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011048.D

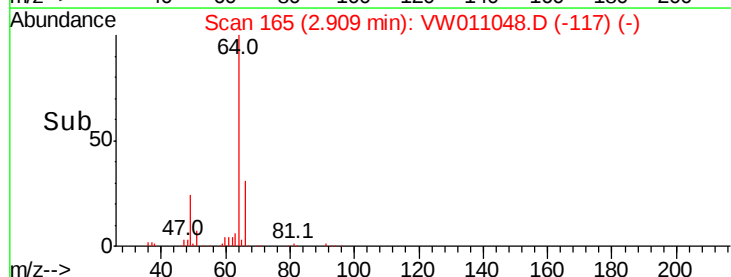
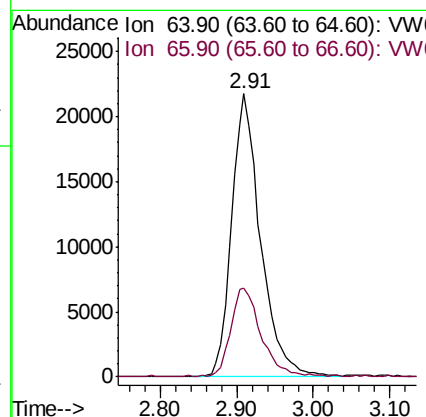
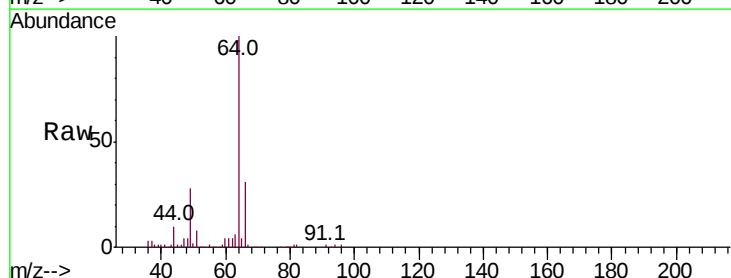
Acq: 28 Jun 2019 06:29

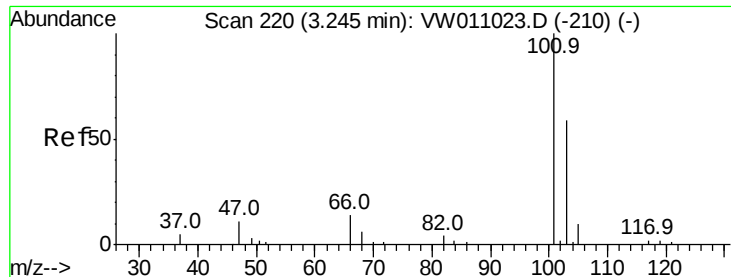
Tgt Ion: 64 Resp: 56910

Ion Ratio Lower Upper

64 100

66 31.3 25.7 38.5





#7

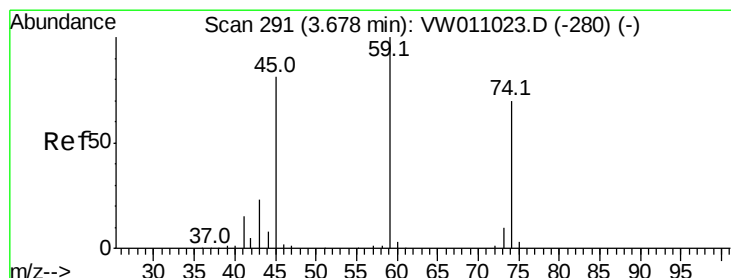
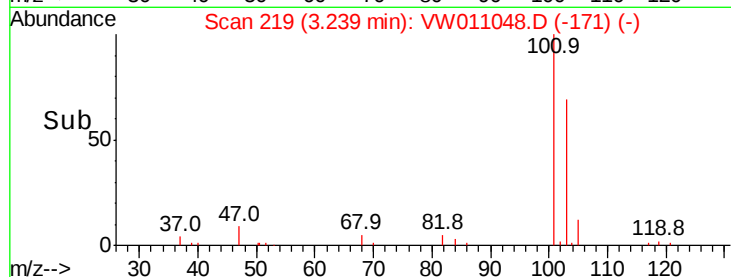
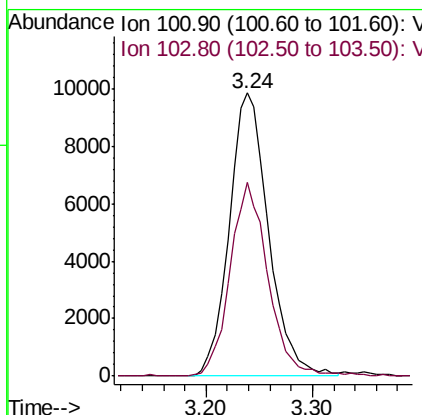
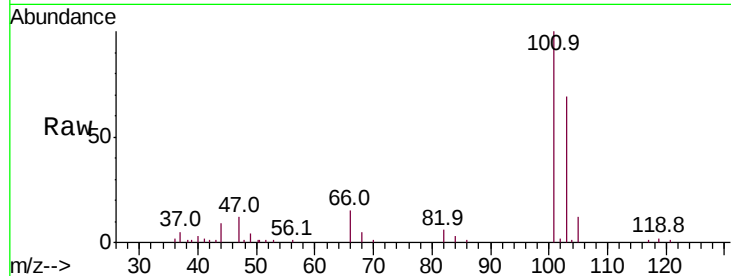
Trichlorofluoromethane
Concen: 38.034 ug/l
RT: 3.24 min Scan# 219
Delta R.T. -0.01 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 25460
Ion Ratio Lower Upper
101 100
103 68.7 47.5 71.3

Manual Integrations
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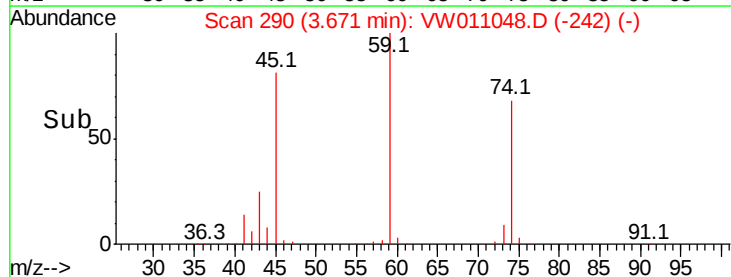
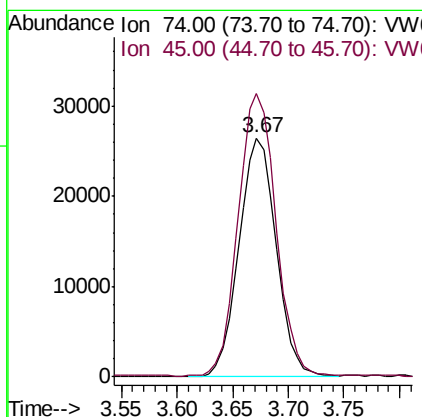
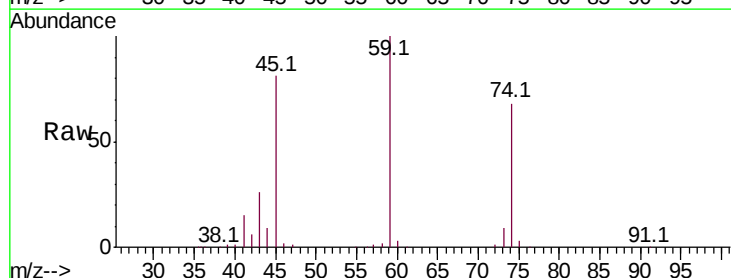
MMDadoda
6/28/2019 10:27:04 AM

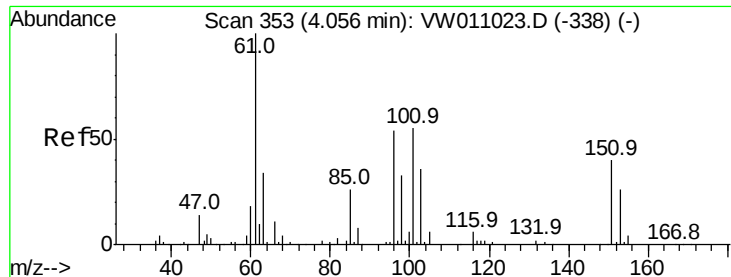


#8

Diethyl Ether
Concen: 58.115 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Tgt Ion: 74 Resp: 61610
Ion Ratio Lower Upper
74 100
45 120.0 59.5 178.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.951 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW011048.D

Acq: 28 Jun 2019 06:29

Instrument :

MSVOA_W

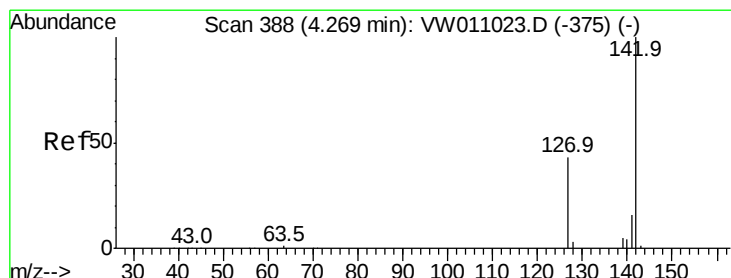
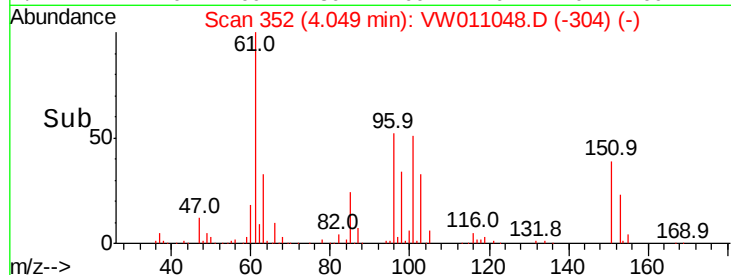
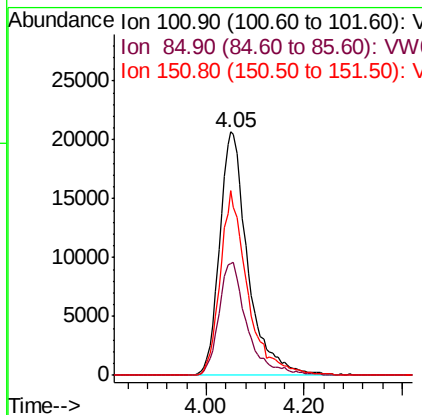
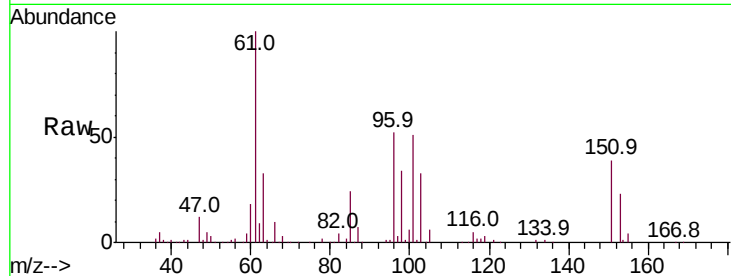
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	82744
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.6	55.0
151	73.8	58.9	88.3

Manual Integrations
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#10

Methyl Iodide

Concen: 50.821 ug/l

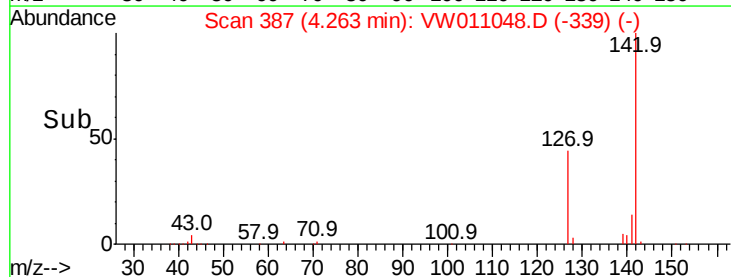
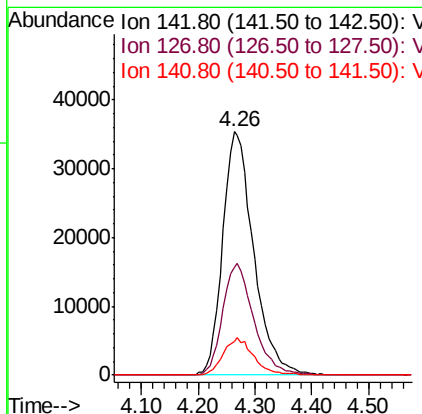
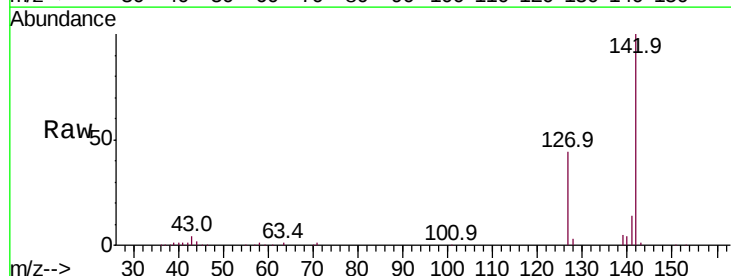
RT: 4.26 min Scan# 387

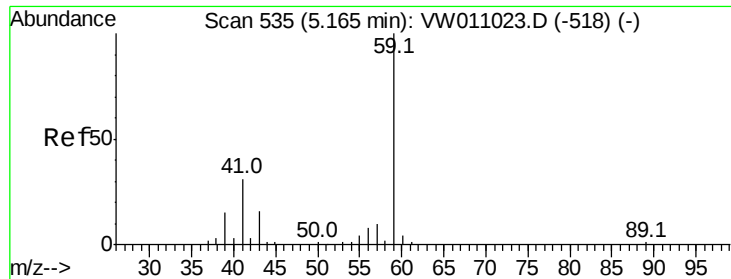
Delta R.T. -0.01 min

Lab File: VW011048.D

Acq: 28 Jun 2019 06:29

Tgt Ion:	142	Resp:	133862
Ion Ratio	Lower	Upper	
142	100		
127	45.9	35.8	53.8
141	15.1	12.2	18.2





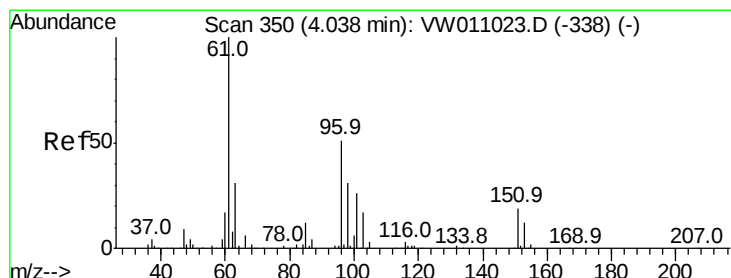
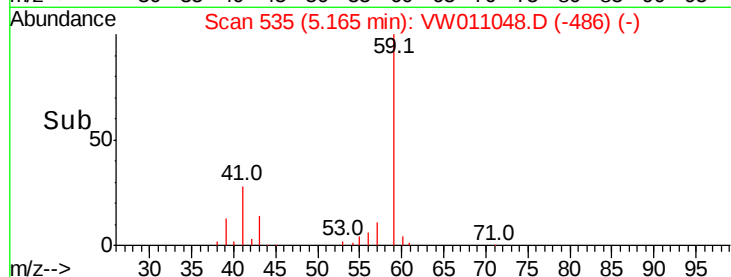
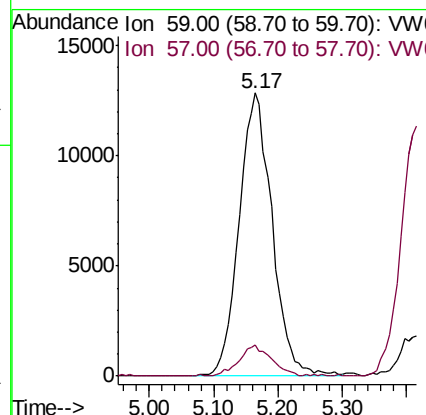
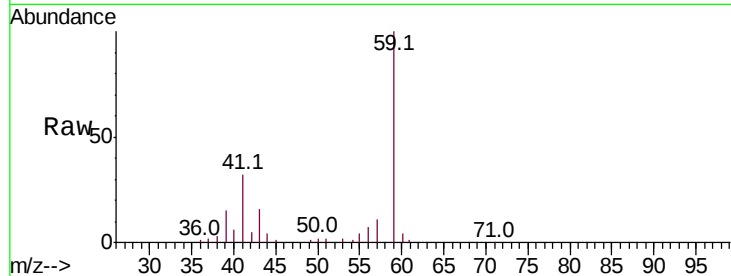
#11
Tert butyl alcohol
Concen: 277.443 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.00 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	9.0	13.4

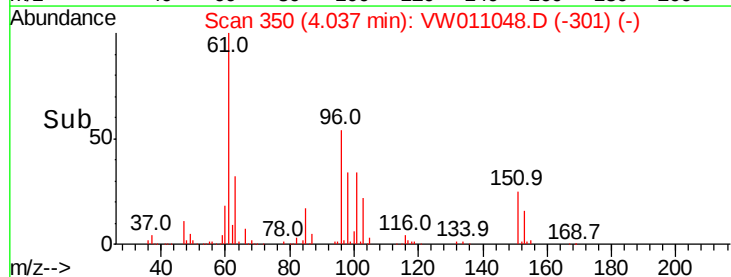
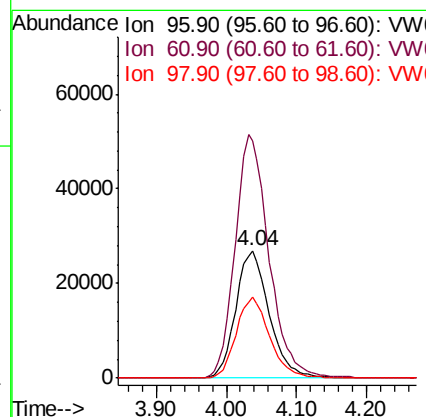
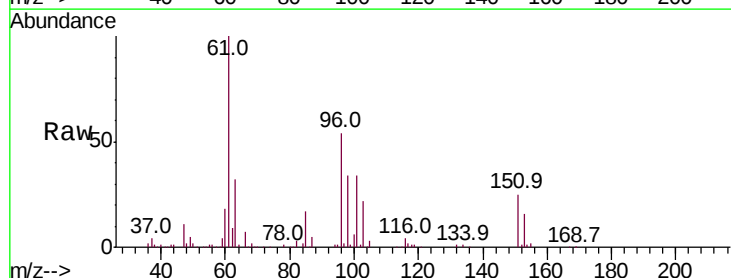
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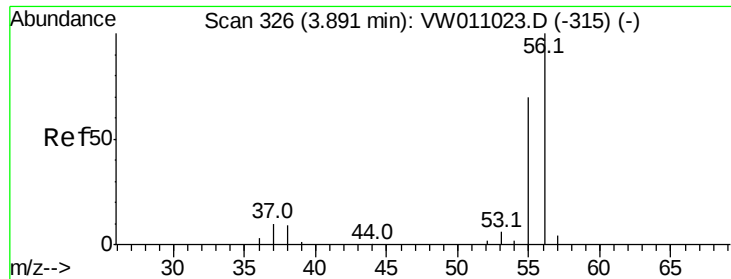
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#12
1,1-Dichloroethene
Concen: 45.705 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	185.4	156.0	234.0
98	63.6	48.7	73.1





#13

Acrolein

Concen: 134.264 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW011048.D

Acq: 28 Jun 2019 06:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 17209

Ion Ratio Lower Upper

56 100

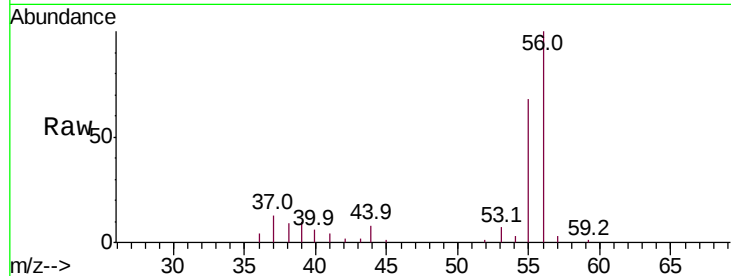
55 71.3 55.7 83.5

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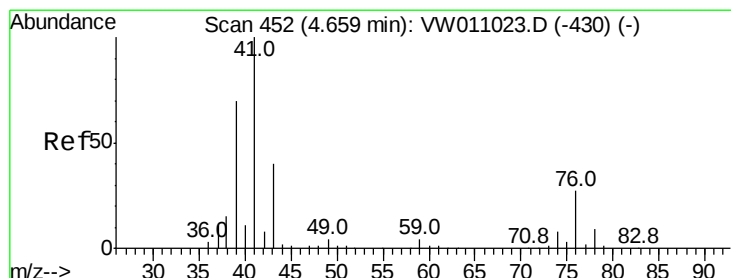
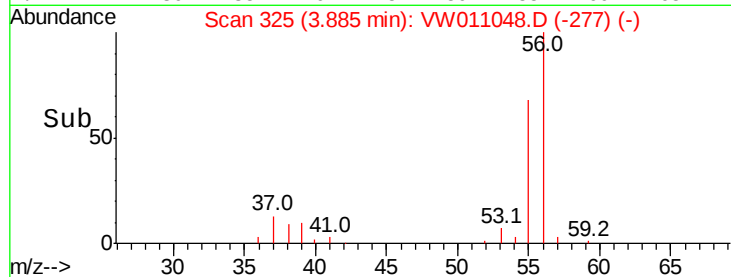
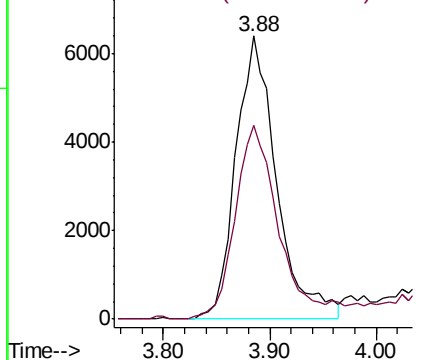
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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 47.397 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW011048.D

Acq: 28 Jun 2019 06:29

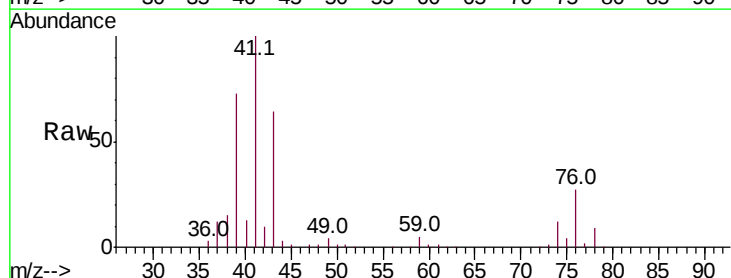
Tgt Ion: 41 Resp: 149492

Ion Ratio Lower Upper

41 100

39 69.2 55.4 83.2

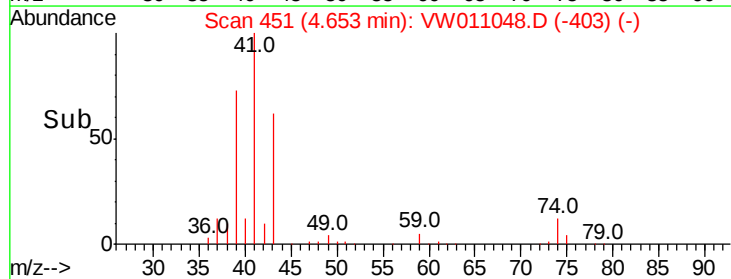
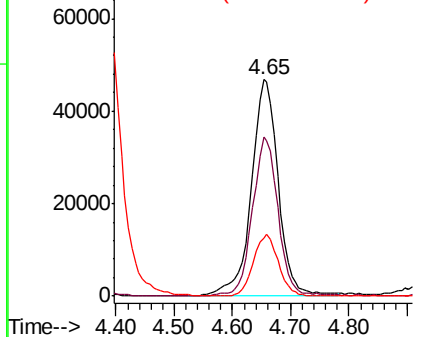
76 26.2 22.0 33.0

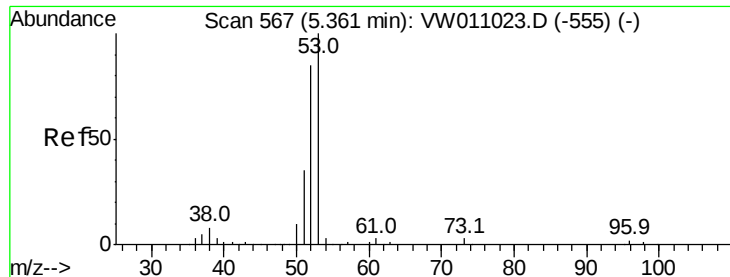


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 312.106 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW011048.D

Acq: 28 Jun 2019 06:29

Instrument :

MSVOA_W

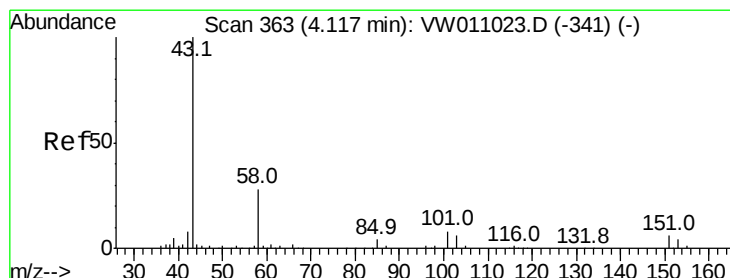
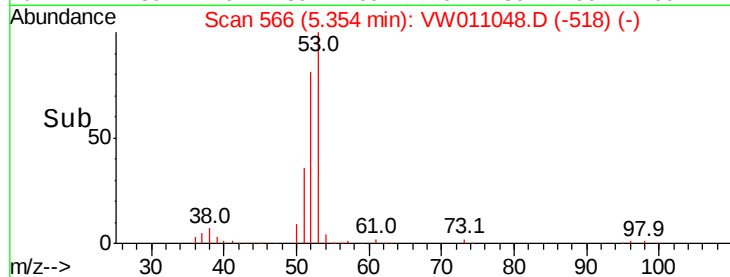
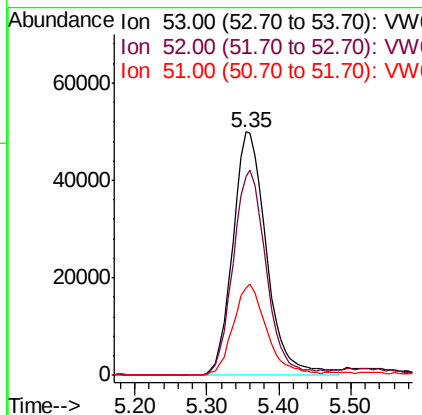
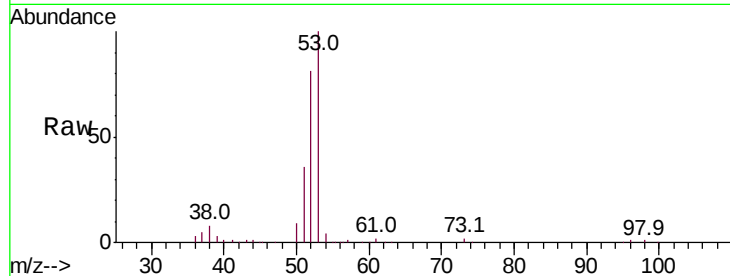
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	162937
Ion Ratio	Lower	Upper	
53	100		
52	82.9	66.3	99.5
51	37.2	29.8	44.6

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#16

Acetone

Concen: 269.476 ug/l

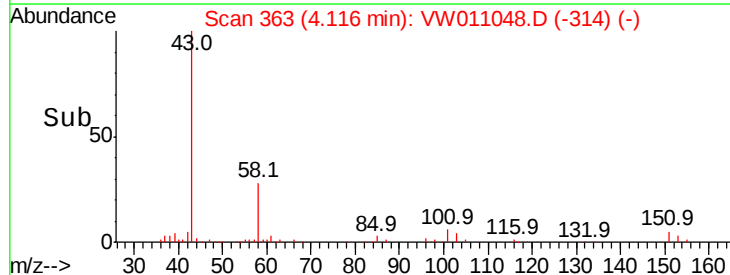
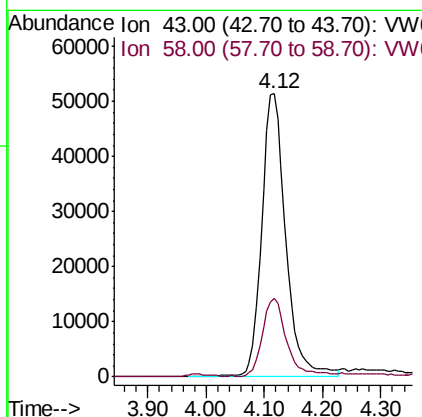
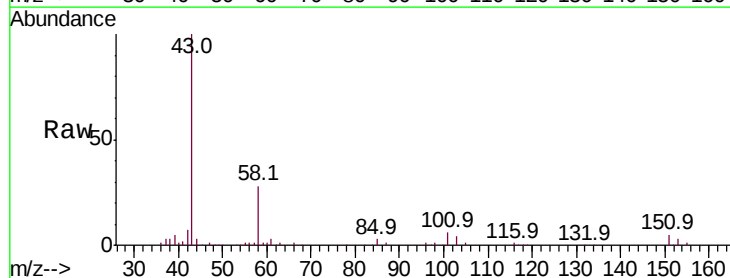
RT: 4.12 min Scan# 363

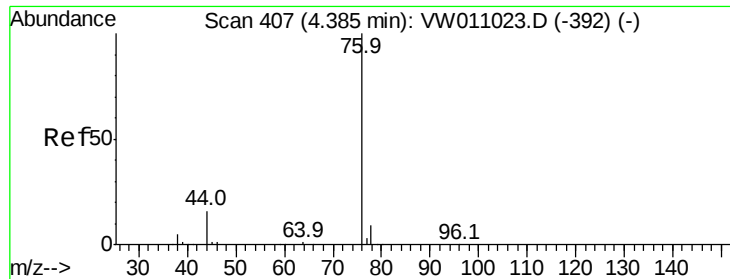
Delta R.T. -0.00 min

Lab File: VW011048.D

Acq: 28 Jun 2019 06:29

Tgt Ion:	43	Resp:	148862
Ion Ratio	Lower	Upper	
43	100		
58	27.2	22.5	33.7





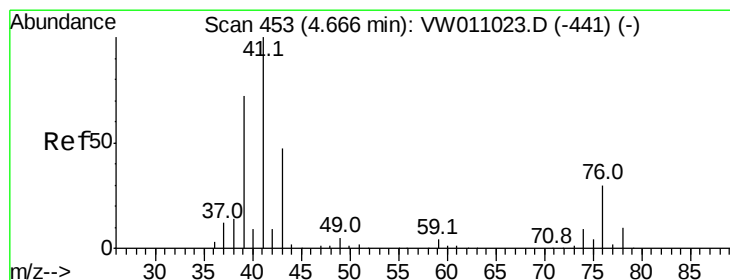
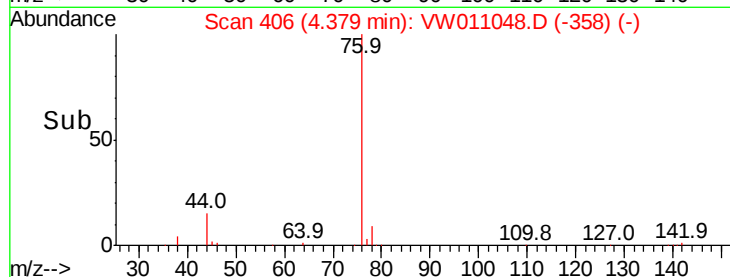
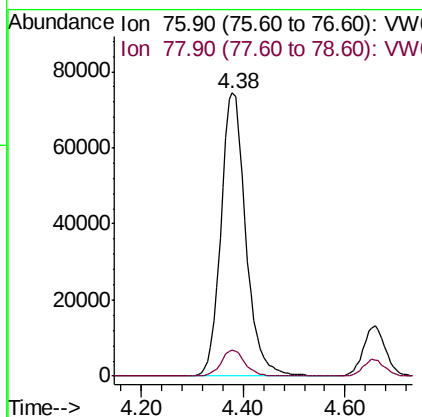
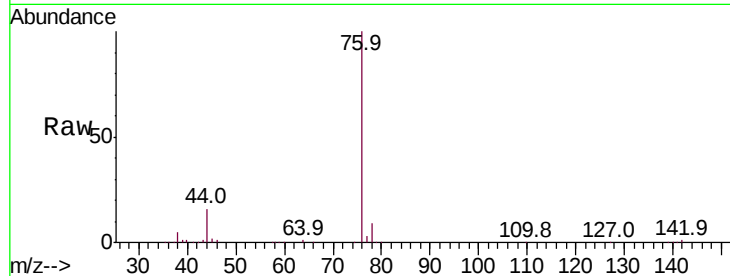
#17
Carbon Disulfide
Concen: 45.220 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

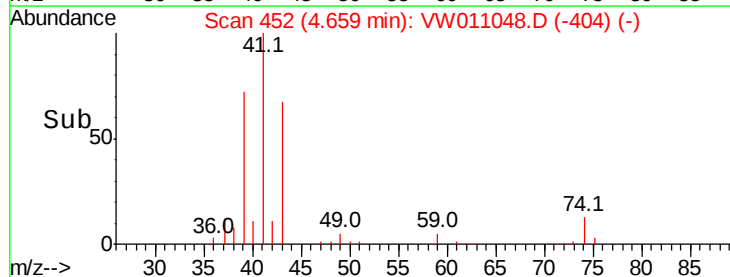
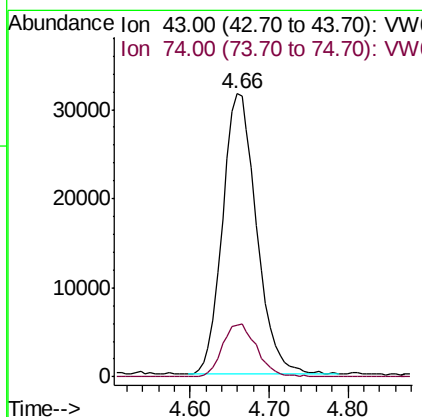
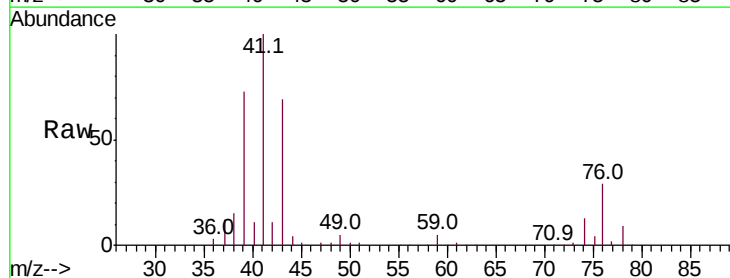
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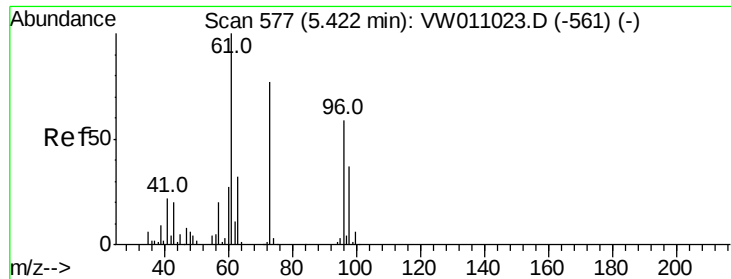
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#18
Methyl Acetate
Concen: 66.159 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.3	15.8	23.8





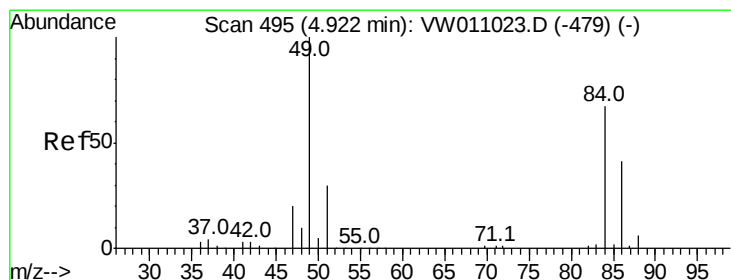
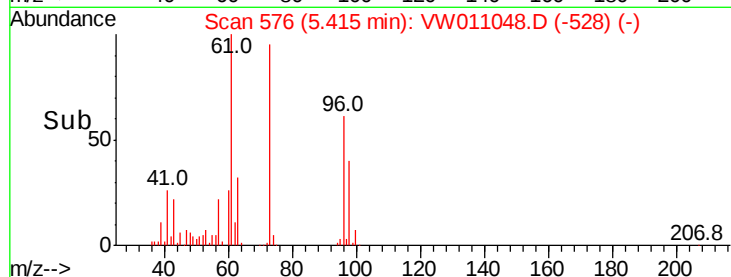
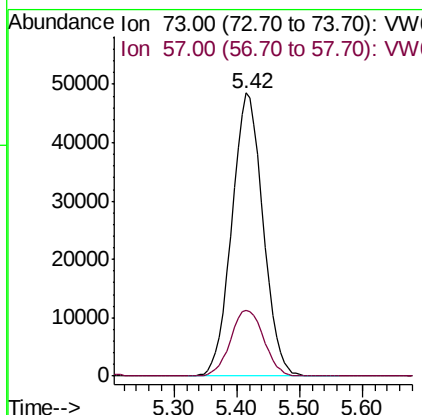
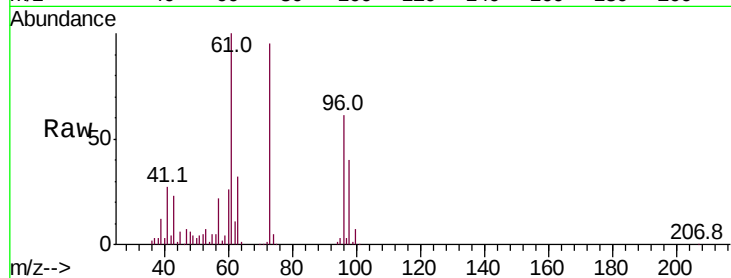
#19
Methvl tert-butvl Ether
Concen: 60.116 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 166739
Ion Ratio Lower Upper
73 100
57 23.4 20.8 31.2

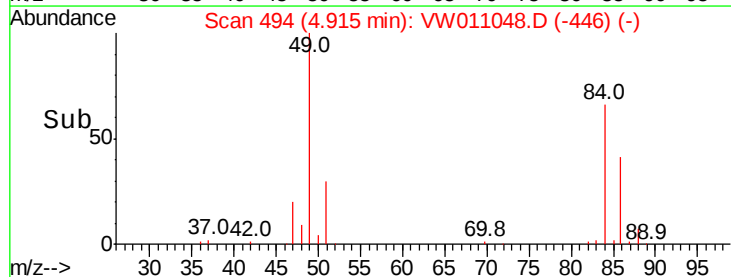
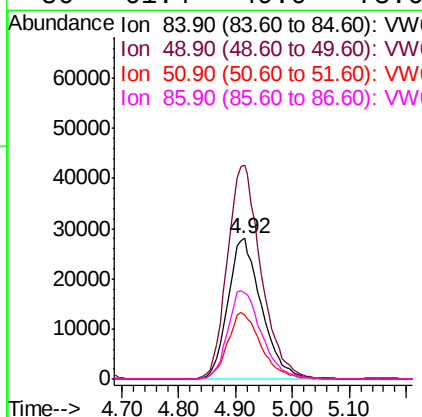
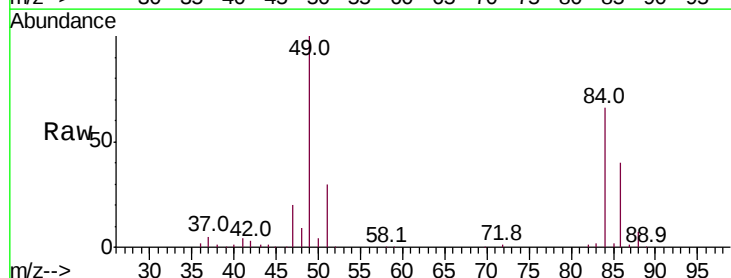
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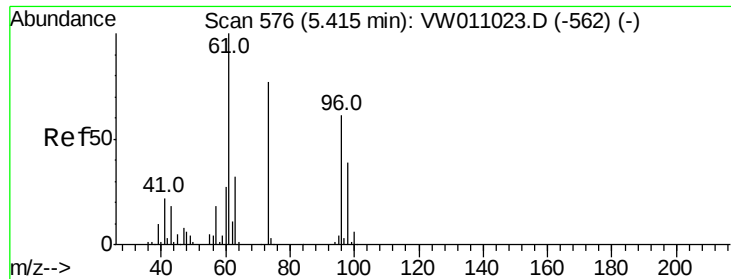
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#20
Methylene Chloride
Concen: 51.263 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Tgt Ion: 84 Resp: 115058
Ion Ratio Lower Upper
84 100
49 152.0 119.6 179.4
51 46.0 35.6 53.4
86 61.4 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 49.575 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW011048.D

Acq: 28 Jun 2019 06:29

Instrument :

MSVOA_W

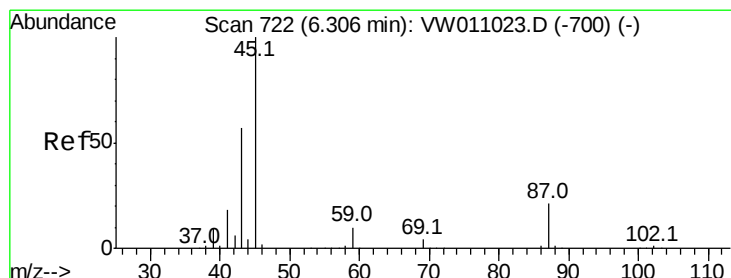
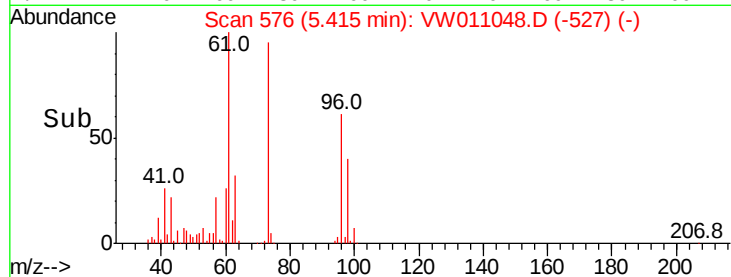
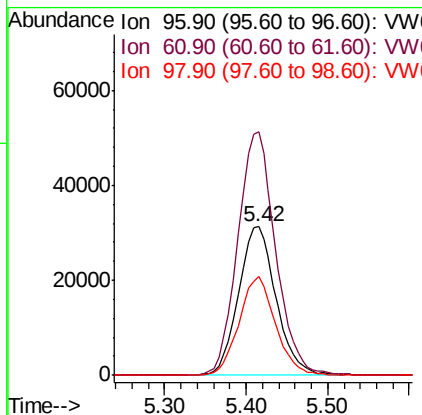
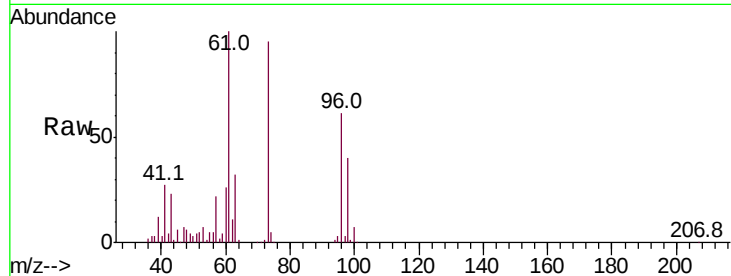
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	100108
Ion Ratio	Lower	Upper	
96	100		
61	163.7	131.0	196.4
98	66.2	50.8	76.2

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#22

Diisopropyl ether

Concen: 56.936 ug/l

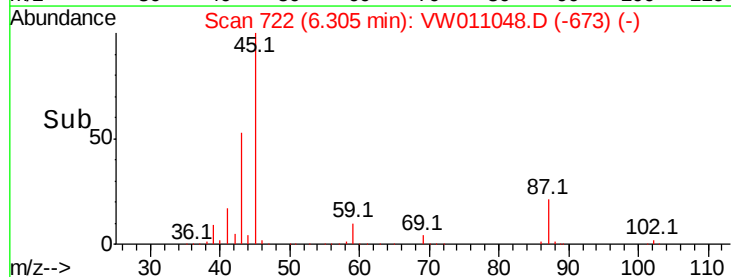
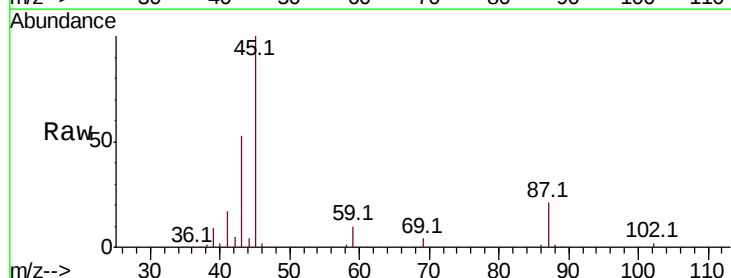
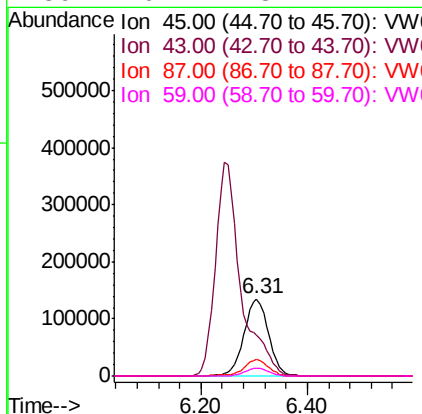
RT: 6.31 min Scan# 722

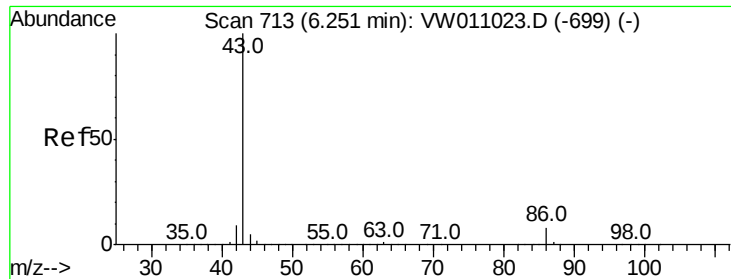
Delta R.T. -0.00 min

Lab File: VW011048.D

Acq: 28 Jun 2019 06:29

Tgt Ion:	45	Resp:	432141
Ion Ratio	Lower	Upper	
45	100		
43	53.4	45.8	68.6
87	21.0	17.1	25.7
59	10.1	8.2	12.4





#23

Vinyl Acetate

Concen: 265.388 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW011048.D

Acq: 28 Jun 2019 06:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1241111

Ion Ratio Lower Upper

43 100

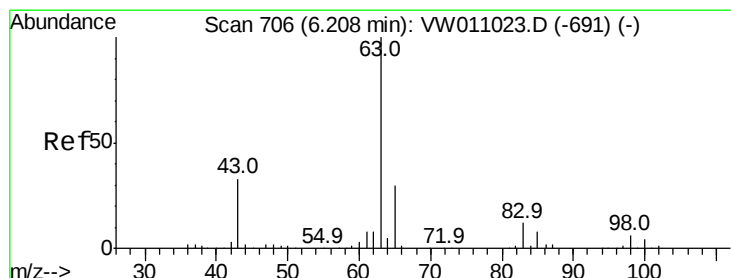
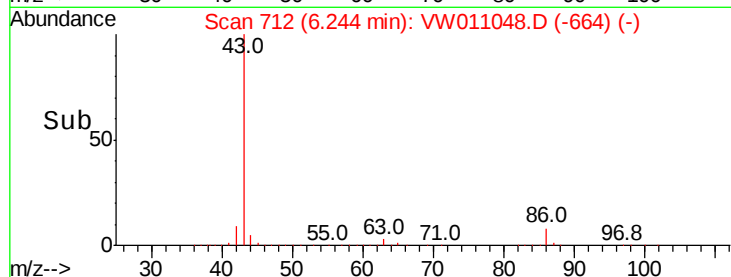
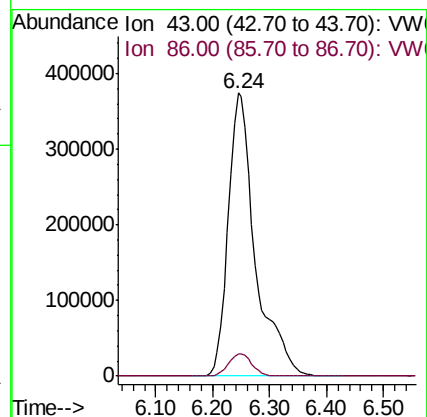
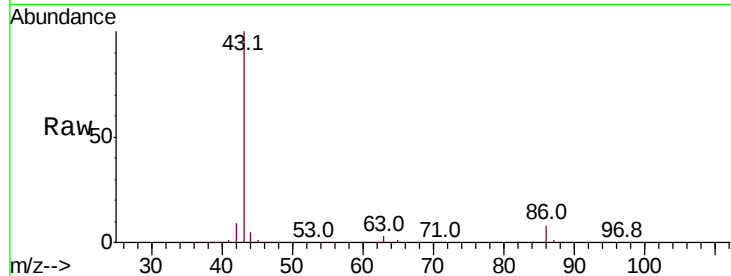
86 8.0 6.6 10.0

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#24

1,1-Dichloroethane

Concen: 52.410 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW011048.D

Acq: 28 Jun 2019 06:29

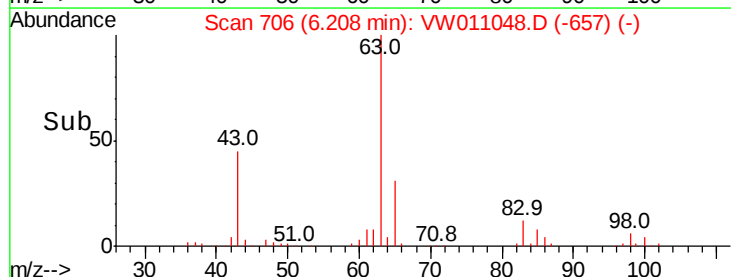
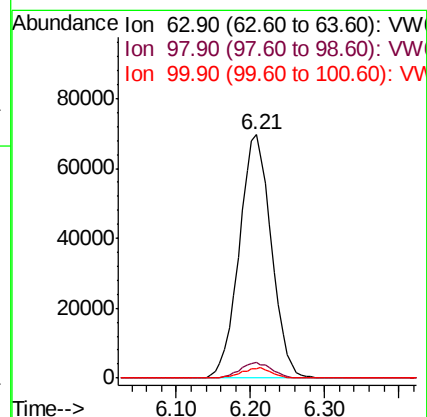
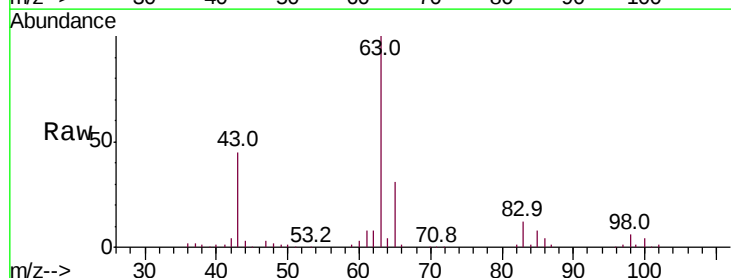
Tgt Ion: 63 Resp: 209971

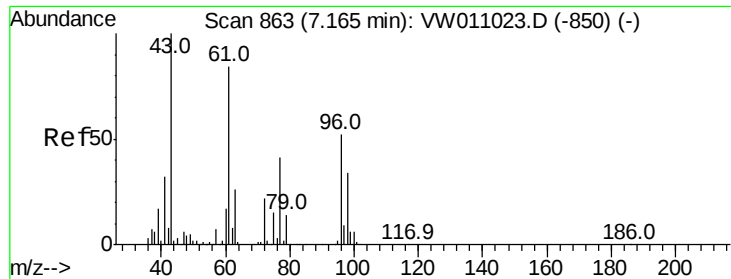
Ion Ratio Lower Upper

63 100

98 6.4 3.1 9.4

100 3.9 2.1 6.2





#25

2-Butanone

Concen: 306.498 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011048.D

Acq: 28 Jun 2019 06:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 257363

Ion Ratio Lower Upper

43 100

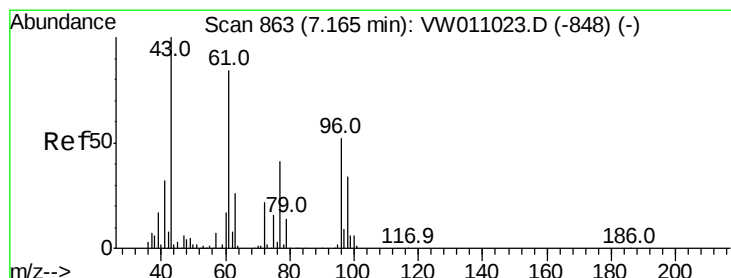
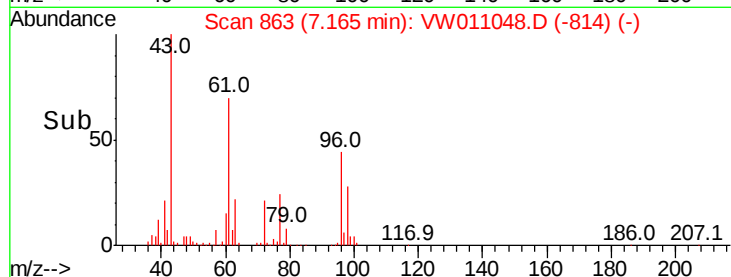
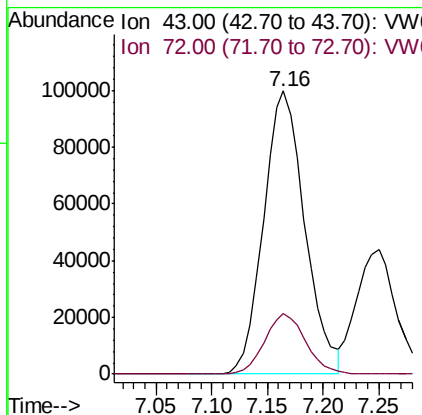
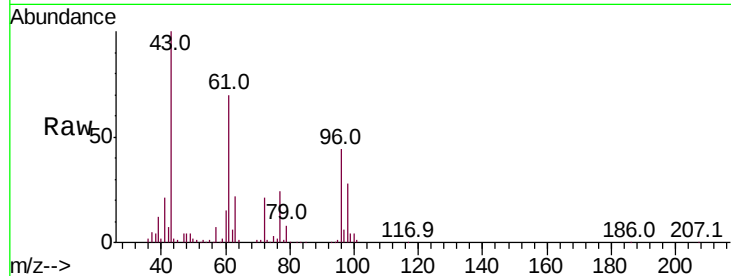
72 21.3 17.2 25.8

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#26

2,2-Dichloropropane

Concen: 35.835 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW011048.D

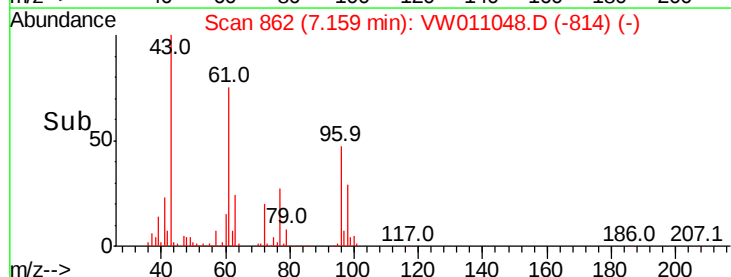
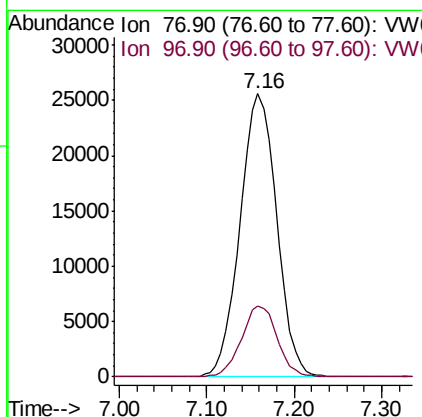
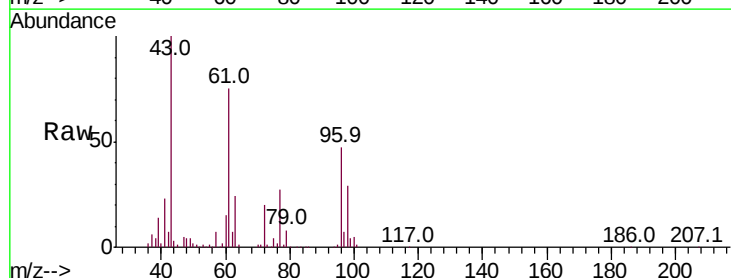
Acq: 28 Jun 2019 06:29

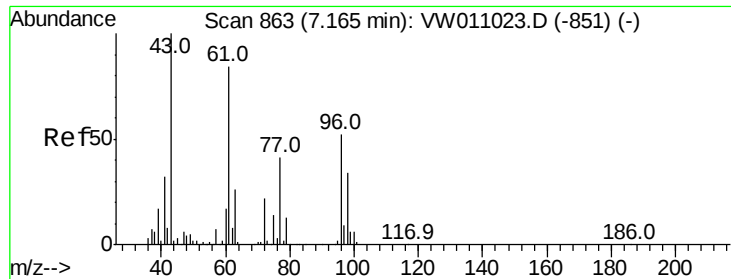
Tgt Ion: 77 Resp: 74540

Ion Ratio Lower Upper

77 100

97 24.4 10.9 32.7





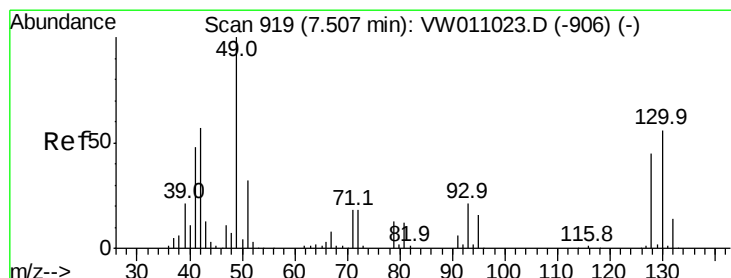
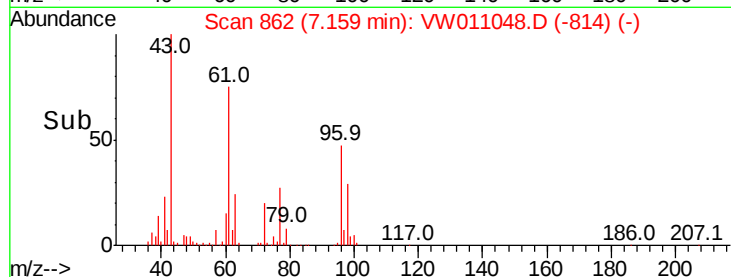
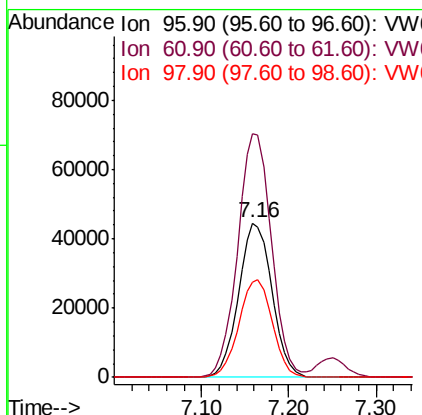
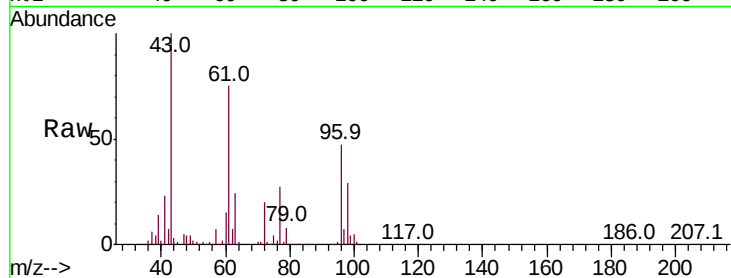
#27
 cis-1,2-Dichloroethene
 Concen: 54.267 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW011048.D
 Acq: 28 Jun 2019 06:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	159.2	0.0	330.4	
98	63.4	0.0	129.4	

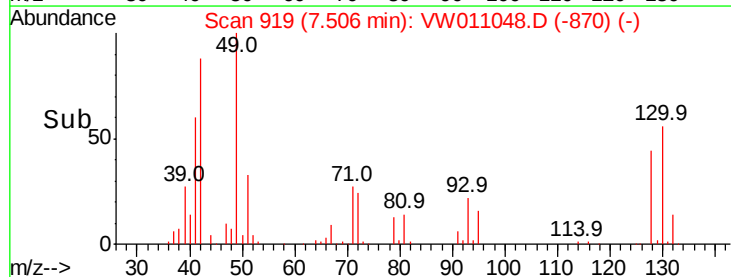
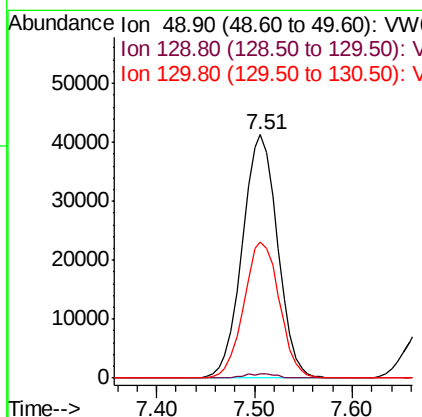
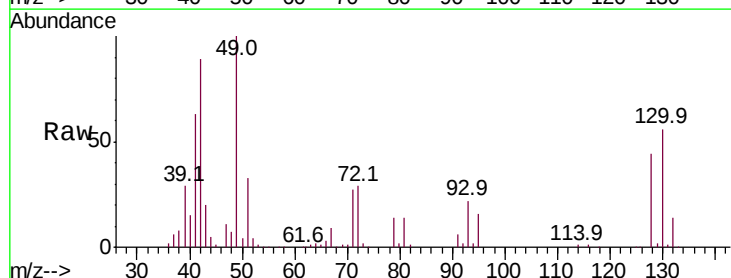
Manual Integrations
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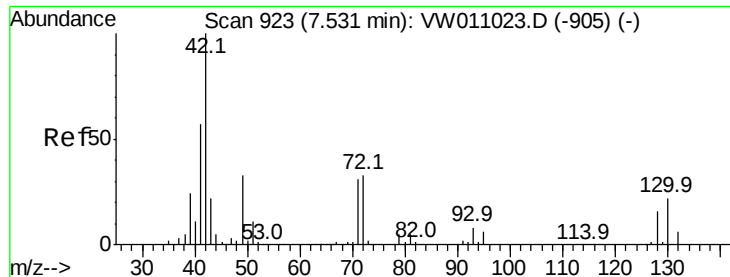
MMDadoda
 6/28/2019 10:27:04 AM



#28
 Bromochloromethane
 Concen: 55.580 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW011048.D
 Acq: 28 Jun 2019 06:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.4	
130	56.6	46.1	69.1	





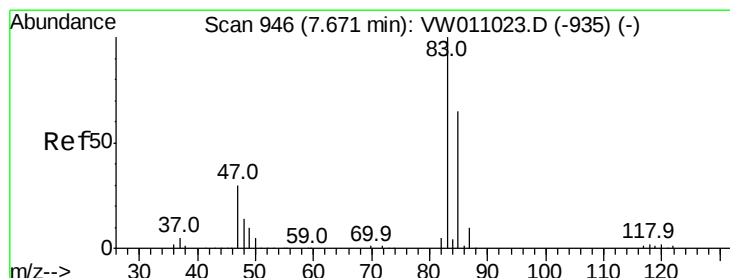
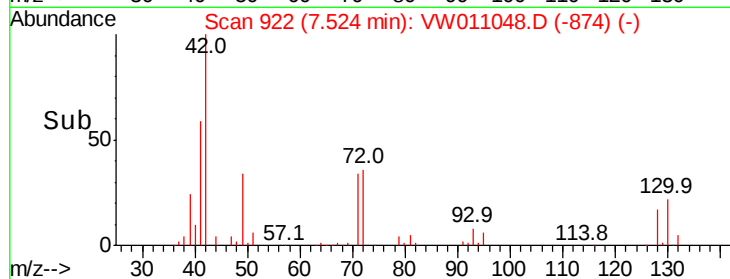
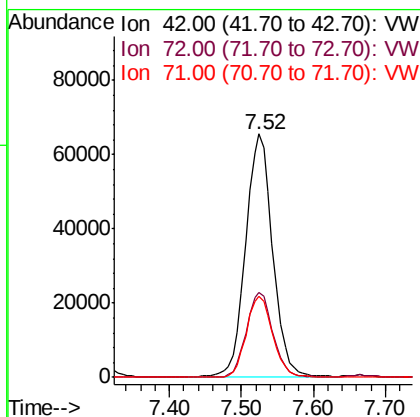
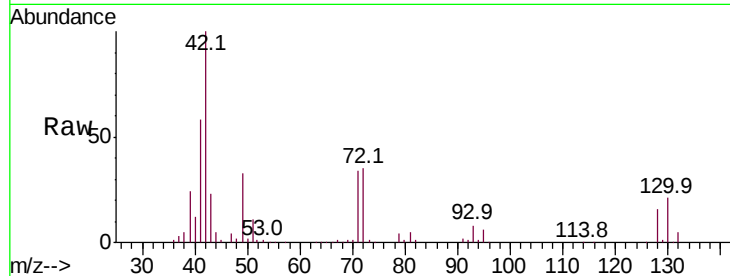
#29
Tetrahydrofuran
Concen: 326.973 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	42	Resp:	170913
Ion Ratio		Lower	Upper
42	100		
72	34.5	27.4	41.0
71	32.8	25.6	38.4

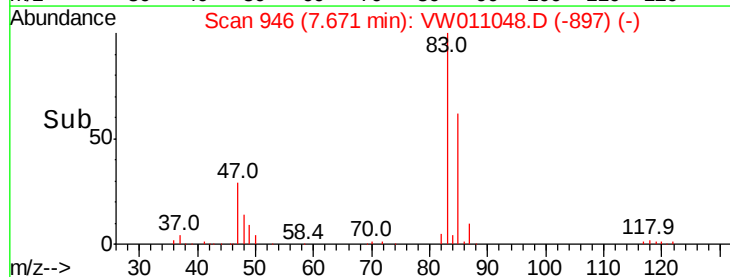
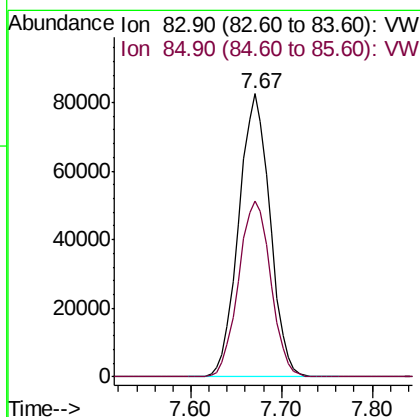
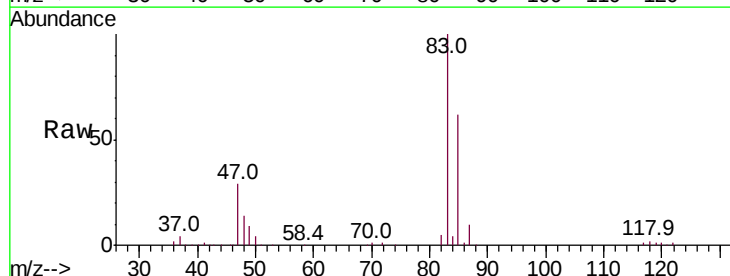
Manual Integrations
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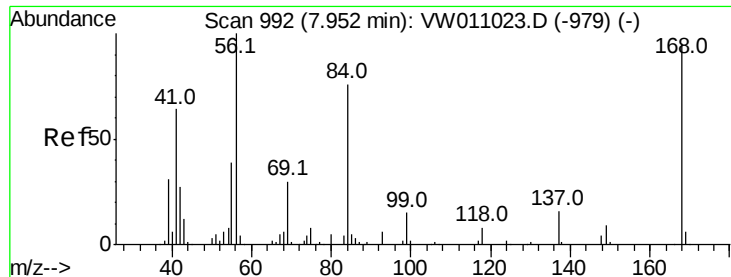
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#30
Chloroform
Concen: 54.253 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Tgt Ion:	83	Resp:	197464
Ion Ratio		Lower	Upper
83	100		
85	62.2	52.2	78.4





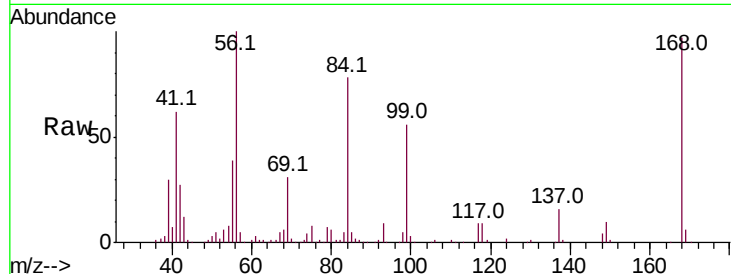
#31
Cyclohexane
Concen: 42.308 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Instrument :
MSVOA_W
ClientSampleID :
VSTDCCC050EC

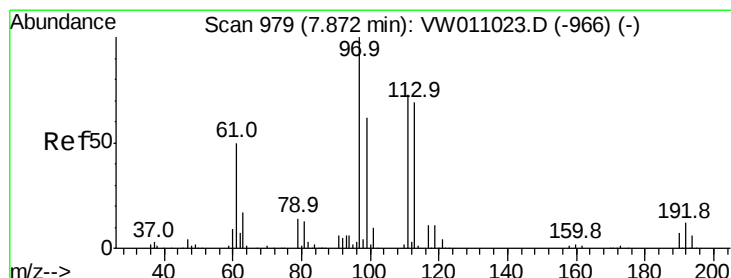
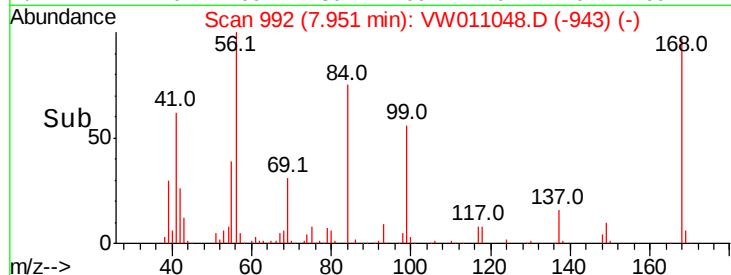
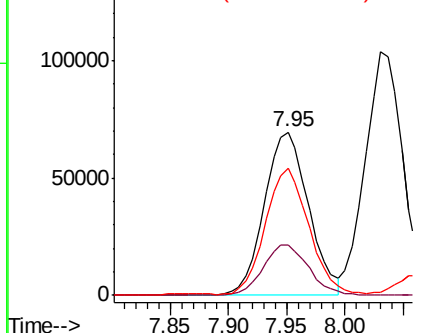
Tot Ion	Ratio	Lower	Upper
56	100		
69	30.9	24.2	36.2
84	76.2	60.6	90.8

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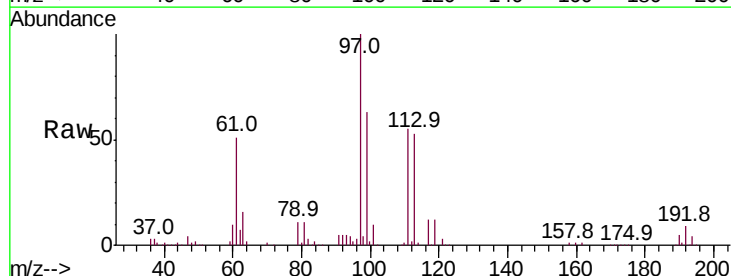


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

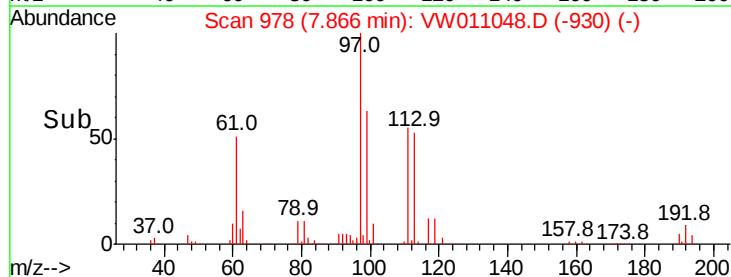
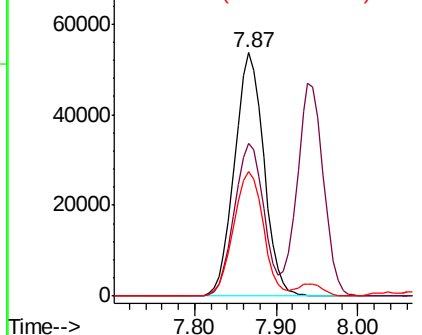


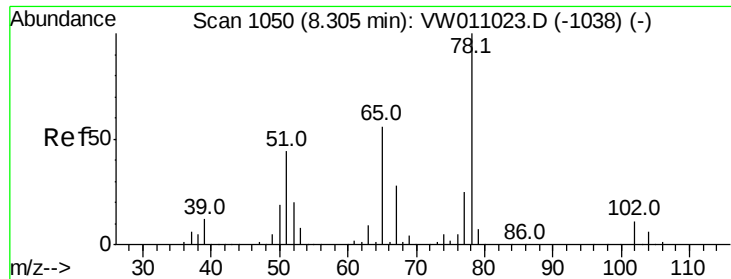
#32
1,1,1-Trichloroethane
Concen: 49.091 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.1	76.7
61	52.1	41.4	62.2



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





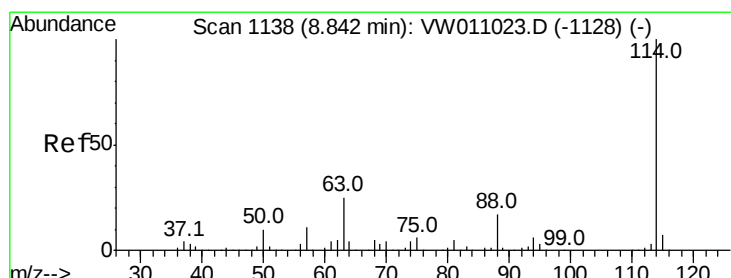
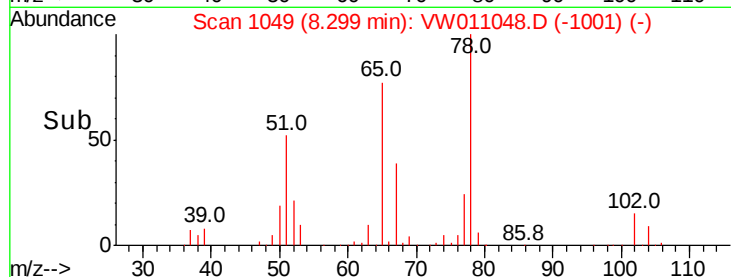
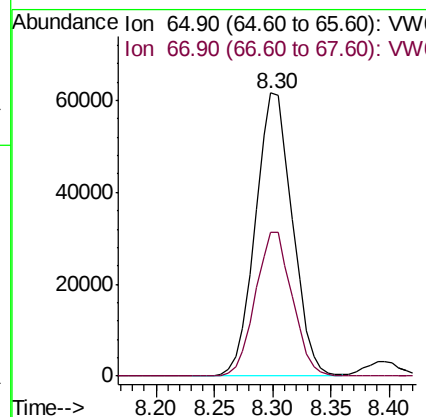
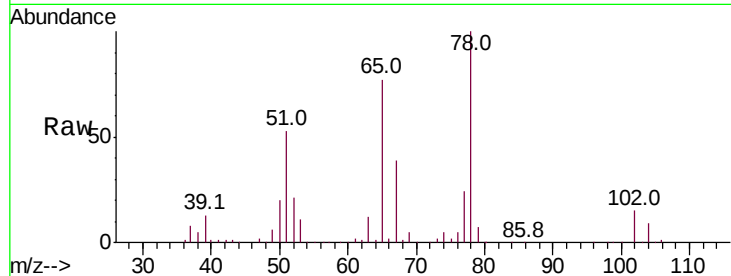
#33
 1,2-Dichloroethane-d4
 Concen: 60.084 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011048.D
 Acq: 28 Jun 2019 06:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 135977
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 102.4

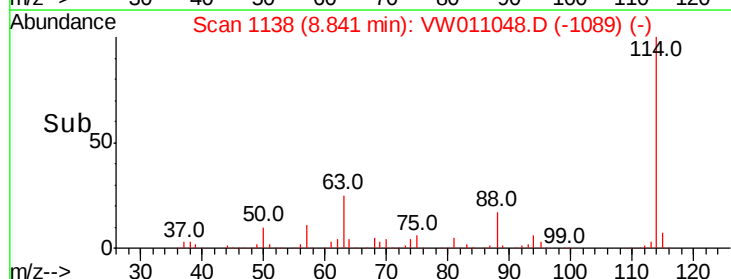
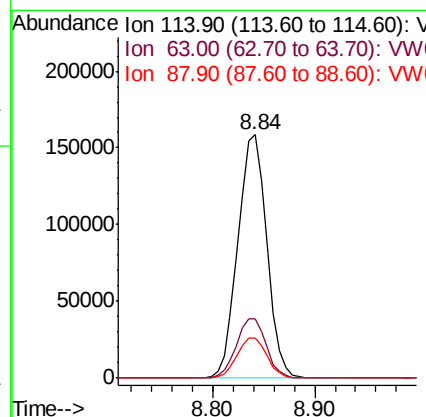
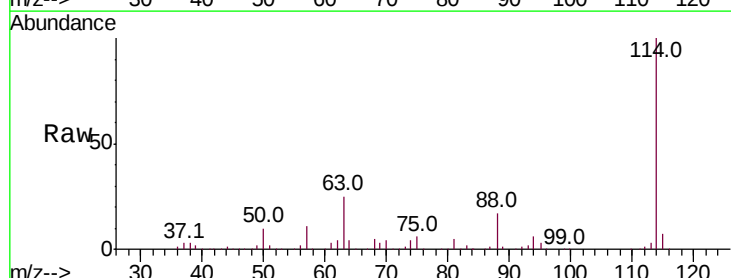
Manual Integrations
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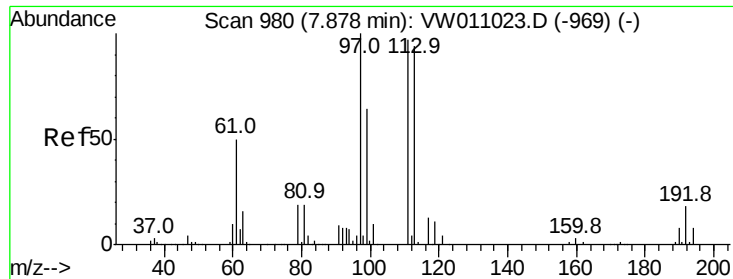
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011048.D
 Acq: 28 Jun 2019 06:29

Tgt Ion: 114 Resp: 311058
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 50.6
 88 16.7 0.0 34.0





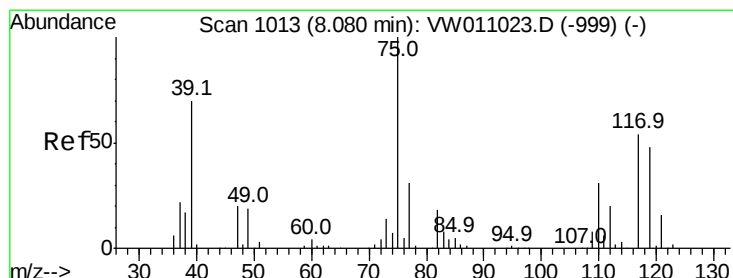
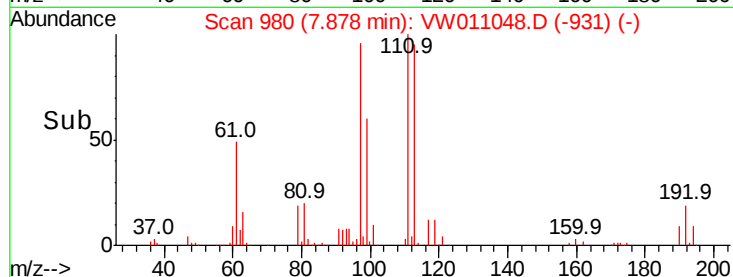
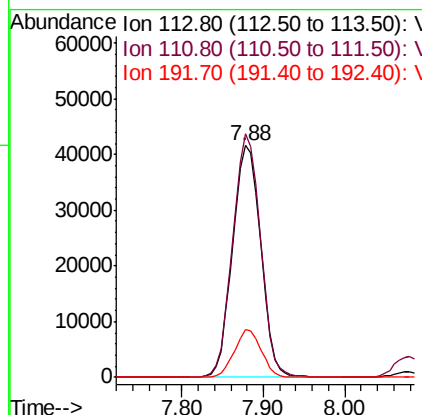
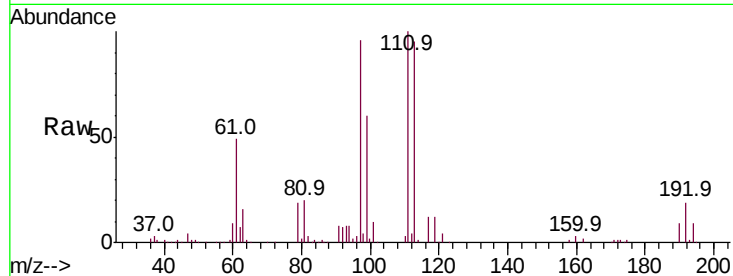
#35
 Dibromofluoromethane
 Concen: 52.245 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW011048.D
 Acq: 28 Jun 2019 06:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.8	125.6
192	19.5	16.0	24.0

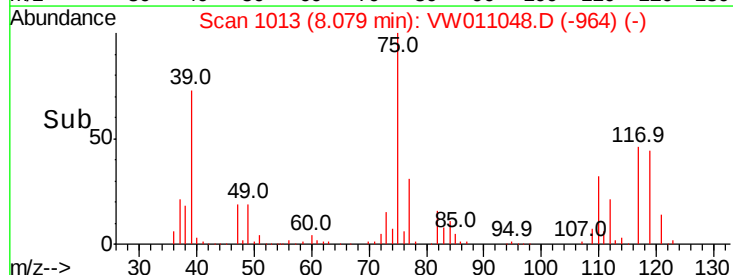
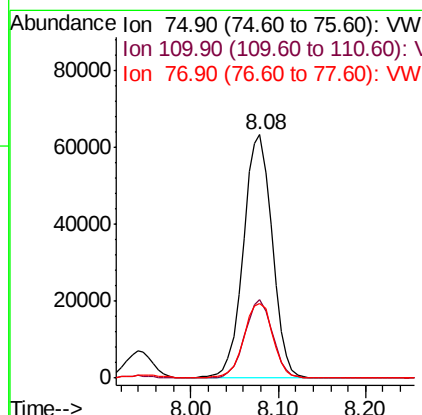
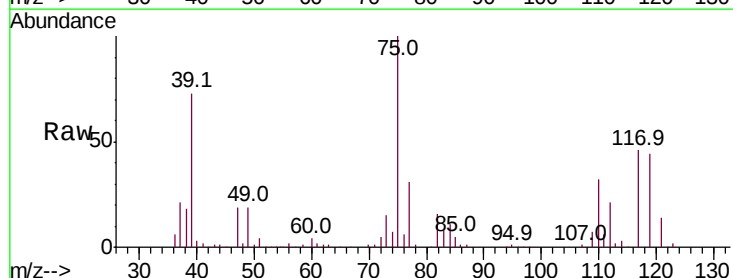
Manual Integrations
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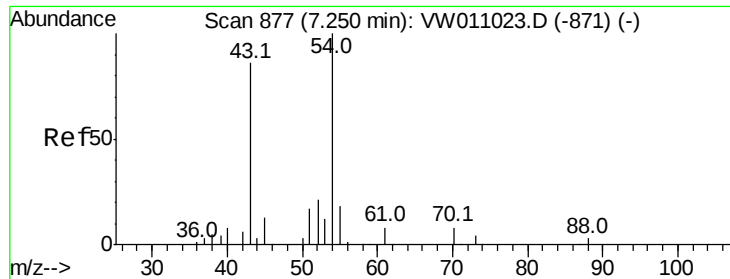
MMDadoda
 6/28/2019 10:27:04 AM



#36
 1,1-Dichloropropene
 Concen: 43.349 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011048.D
 Acq: 28 Jun 2019 06:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.1	15.5	46.5
77	31.2	24.9	37.3





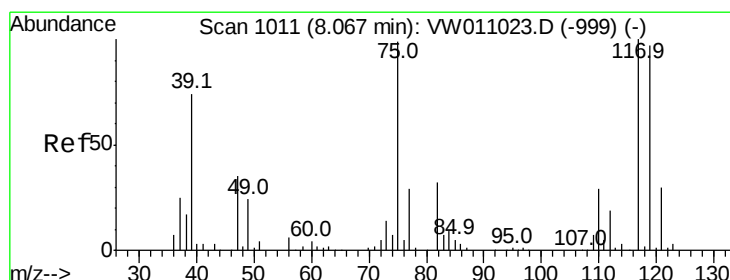
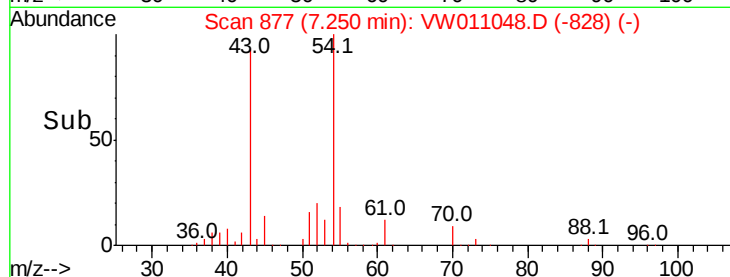
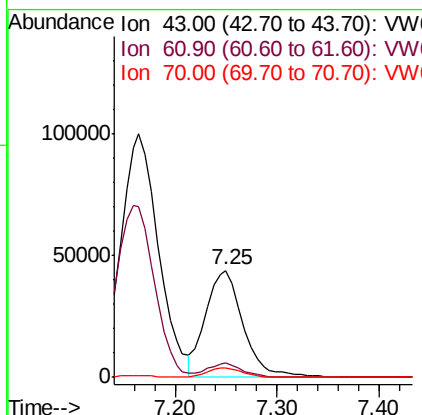
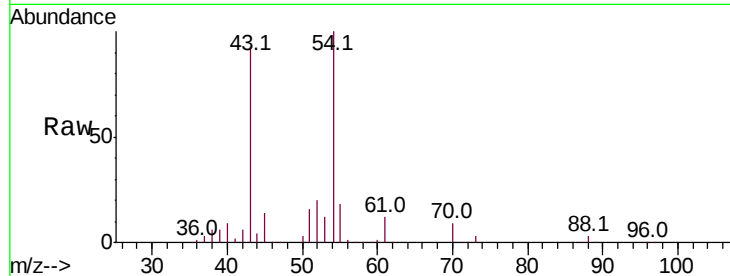
#37
Ethyl Acetate
Concen: 57.050 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	9.0	13.4
70	8.4	7.2	10.8

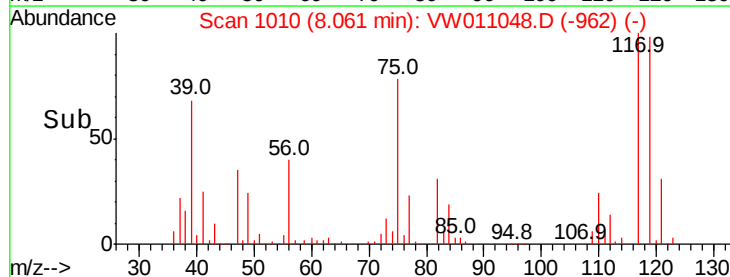
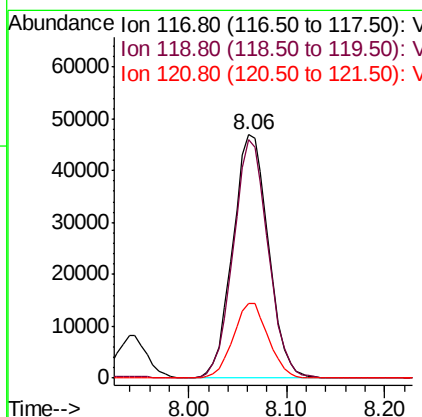
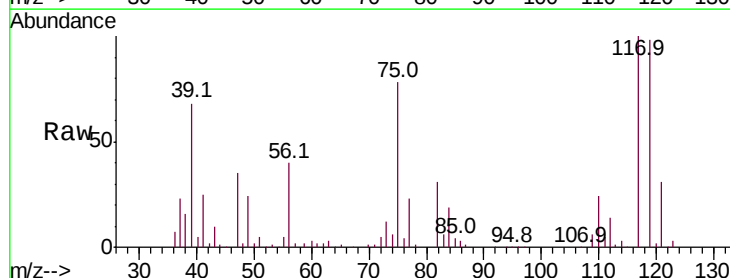
Manual Integrations
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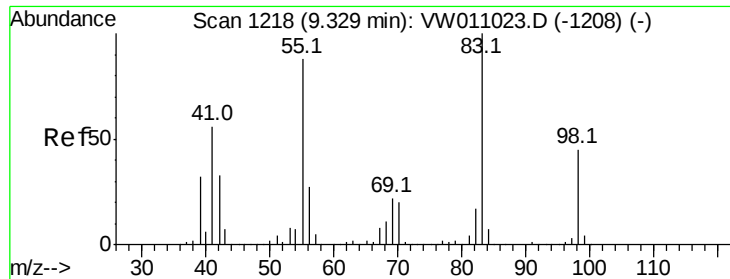
MMDadoda
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#38
Carbon Tetrachloride
Concen: 43.128 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	77.7	116.5
121	30.5	23.9	35.9





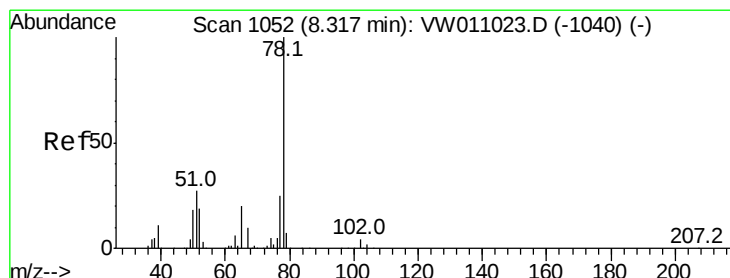
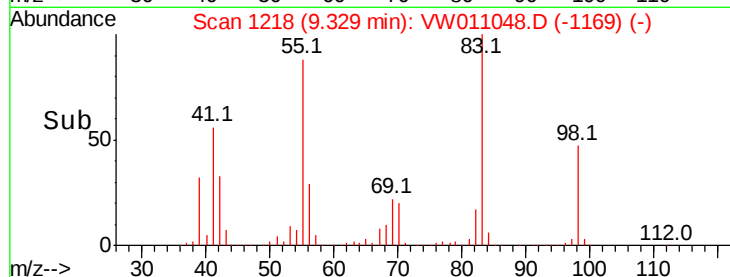
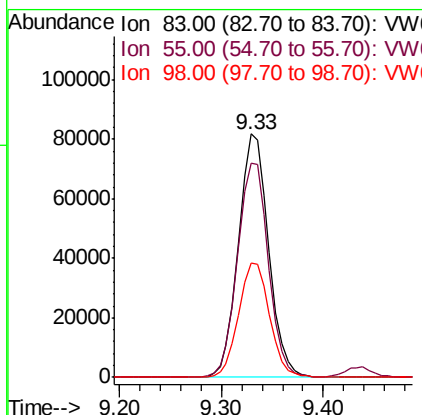
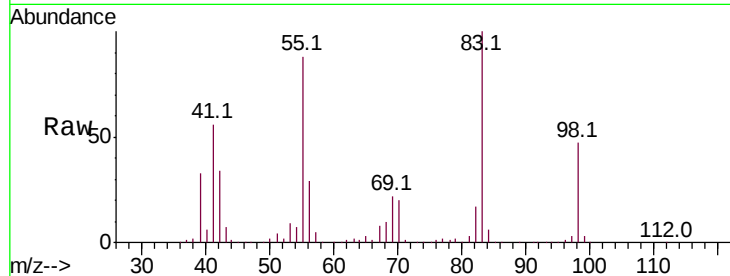
#39
Methvlcvclohexane
Concen: 40.864 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.00 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	168136
Ion Ratio	100	Lower	Upper
83	100	70.7	106.1
55	88.2	36.4	54.6
98	46.8		

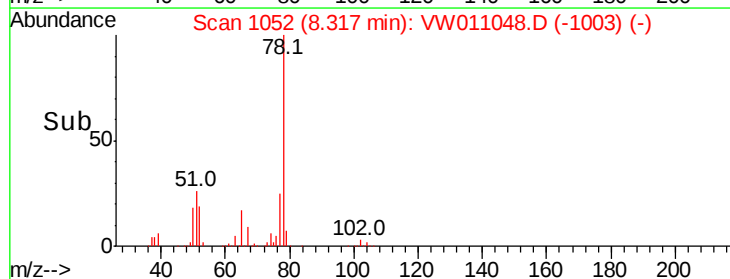
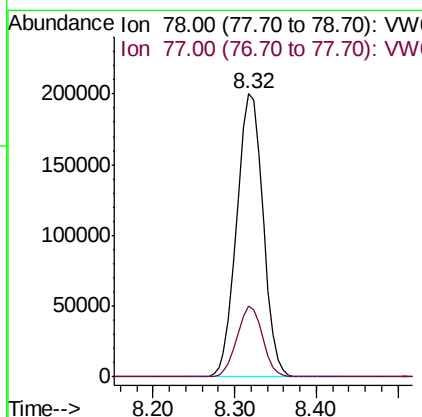
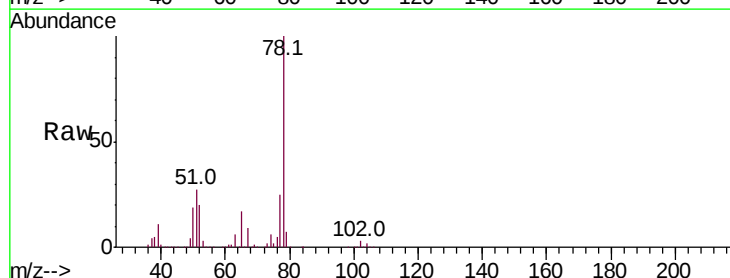
Manual Integrations
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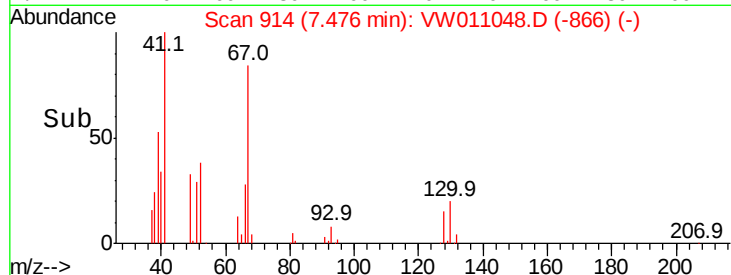
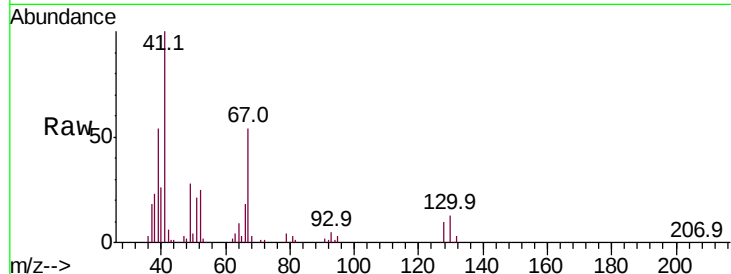
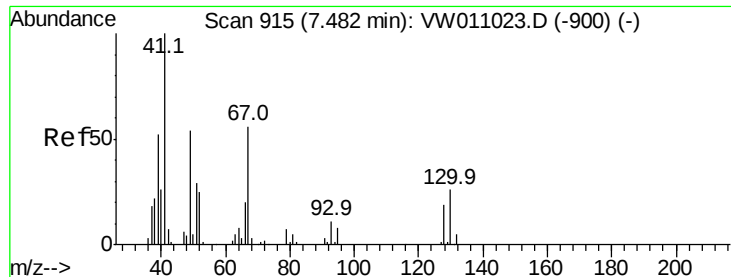
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#40
Benzene
Concen: 48.647 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Tgt Ion	78	Resp	447334
Ion Ratio	100	Lower	Upper
78	100	19.7	29.5
77	24.8		





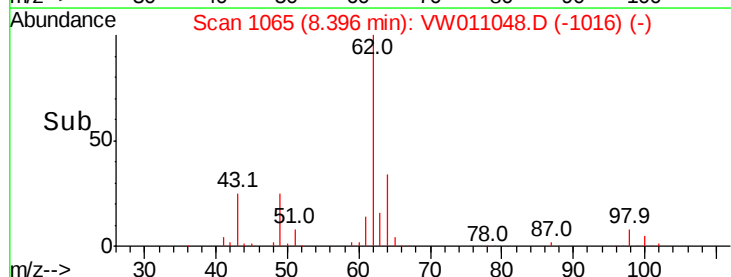
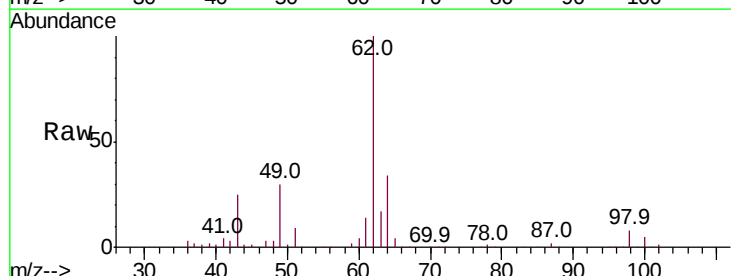
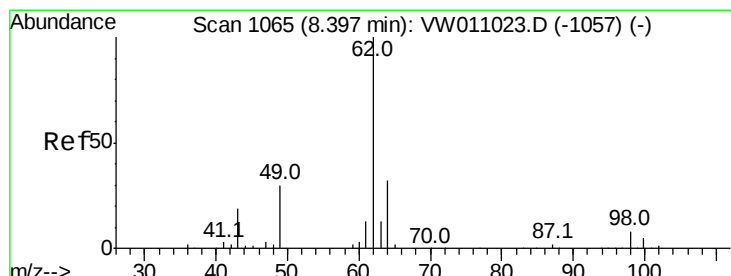
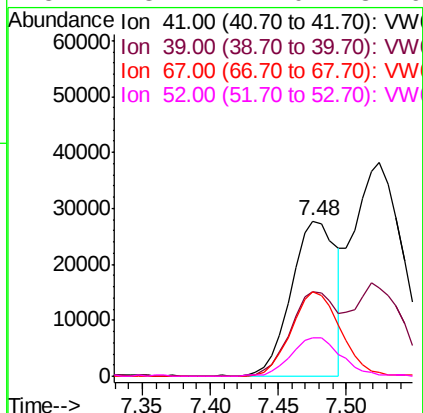
#41
Methacrylonitrile
Concen: 53.542 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.2	42.1	63.1	
67	60.6	44.2	66.2	
52	28.2	21.0	31.6	

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

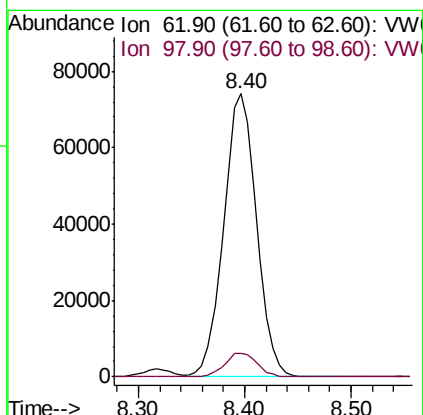
Manual Integrations
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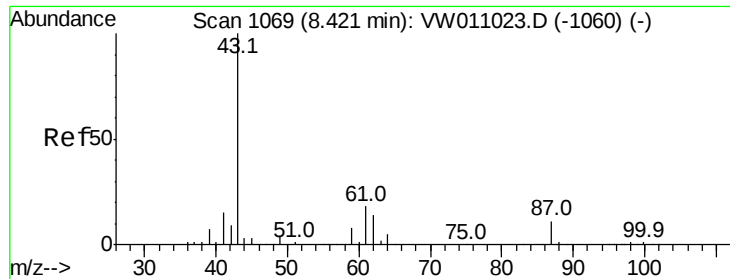
MMDadoda
6/28/2019 10:27:04 AM



#42
1,2-Dichloroethane
Concen: 53.012 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	16.8	





#43

Isopropyl Acetate

Concen: 57.617 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011048.D

Acq: 28 Jun 2019 06:29

Instrument :

MSVOA_W

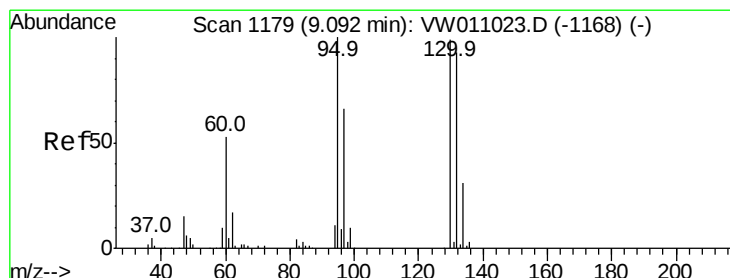
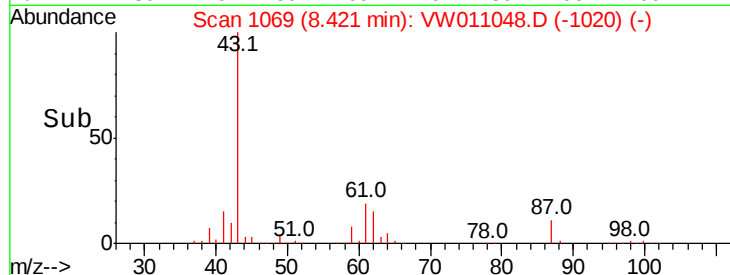
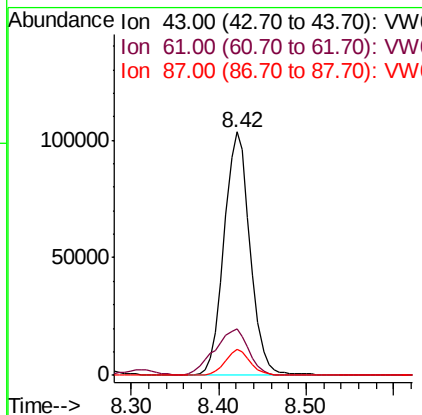
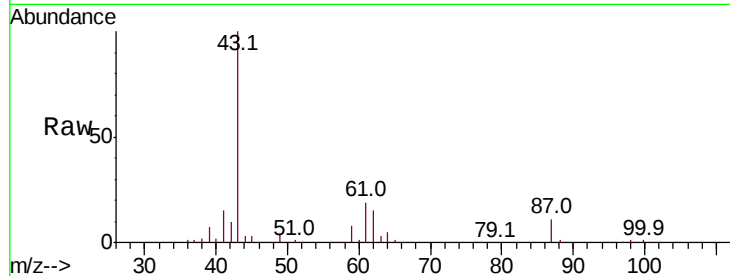
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	211992
Ion	Ratio	Lower	Upper
43	100		
61	25.4	21.0	31.6
87	10.2	8.2	12.4

Manual Integrations
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#44

Trichloroethene

Concen: 47.018 ug/l

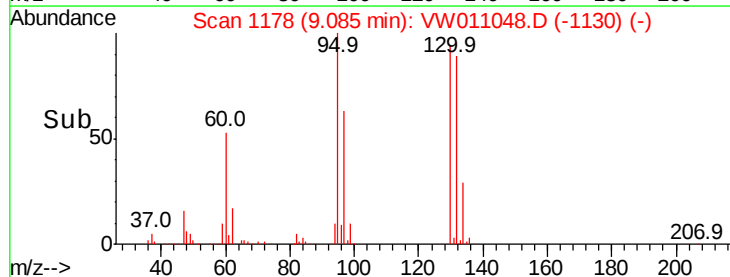
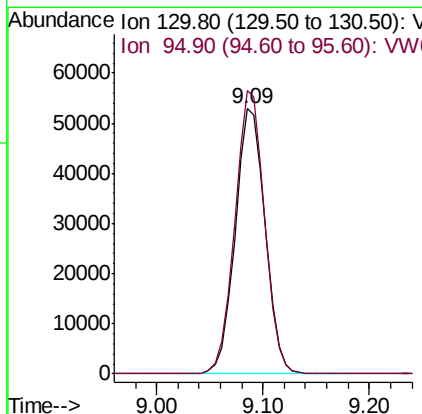
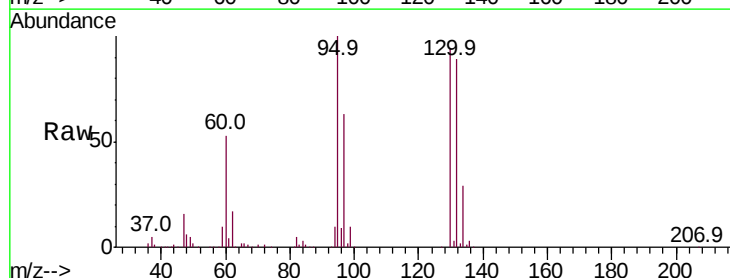
RT: 9.09 min Scan# 1178

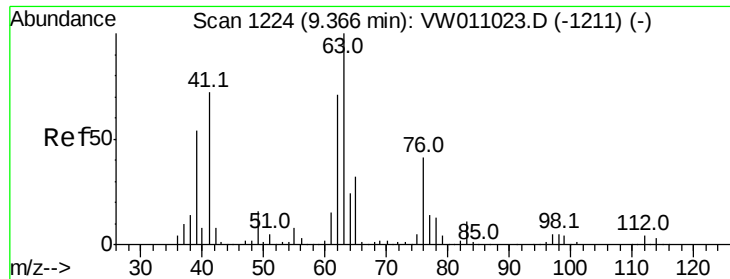
Delta R.T. -0.01 min

Lab File: VW011048.D

Acq: 28 Jun 2019 06:29

Tgt Ion:	130	Resp:	104491
Ion	Ratio	Lower	Upper
130	100		
95	106.8	0.0	202.0





#45

1,2-Dichloropropane

Concen: 51.523 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW011048.D

Acq: 28 Jun 2019 06:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 128659

Ion Ratio Lower Upper

63 100

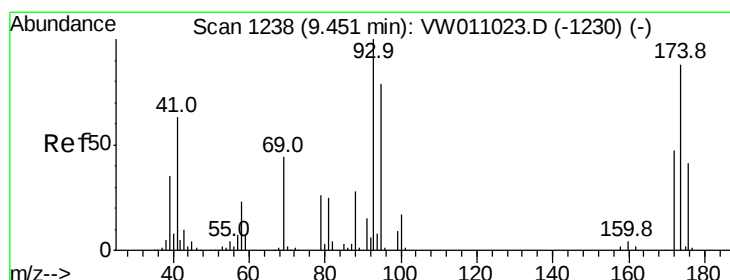
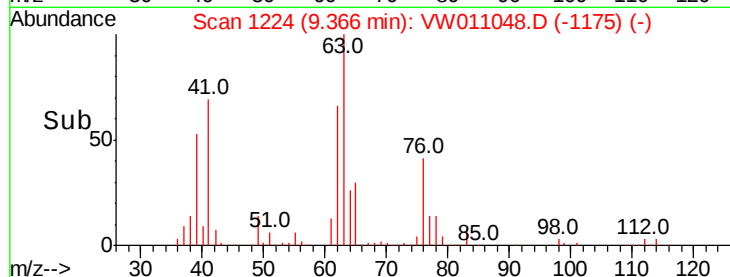
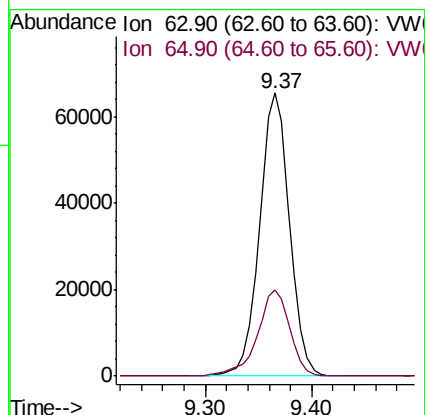
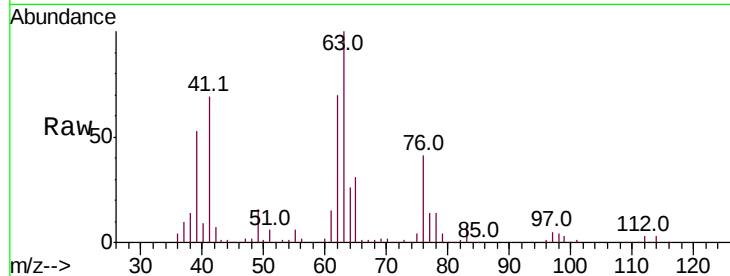
65 30.7 25.6 38.4

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#46

Dibromomethane

Concen: 53.770 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW011048.D

Acq: 28 Jun 2019 06:29

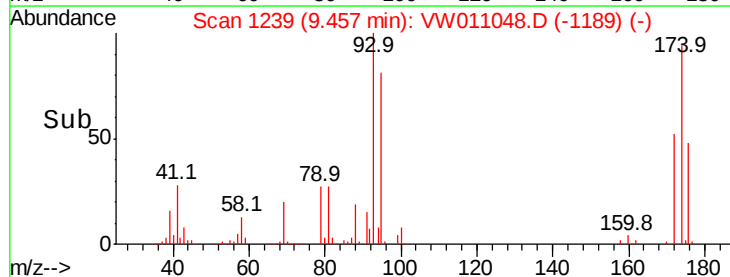
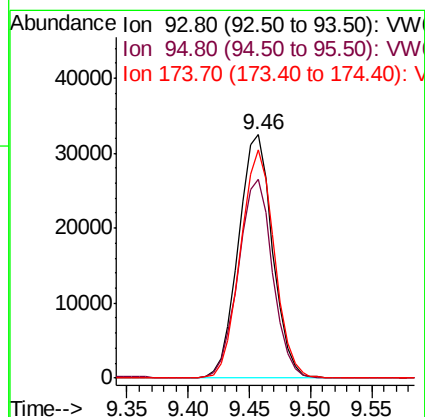
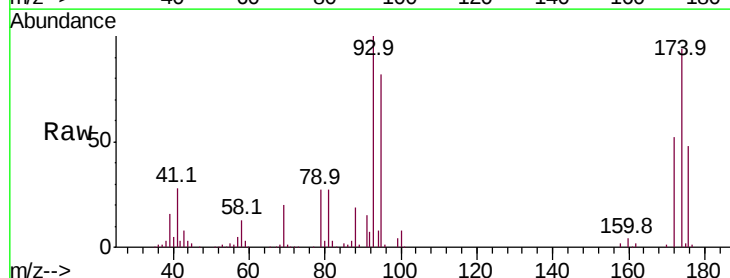
Tgt Ion: 93 Resp: 62796

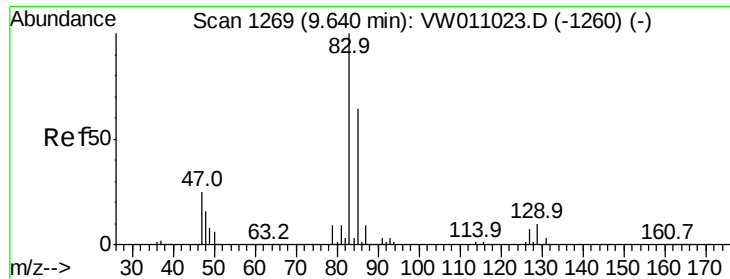
Ion Ratio Lower Upper

93 100

95 82.0 65.8 98.6

174 93.4 75.4 113.0





#47

Bromodichloromethane

Concen: 52.335 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW011048.D

Acq: 28 Jun 2019 06:29

Instrument :

MSVOA_W

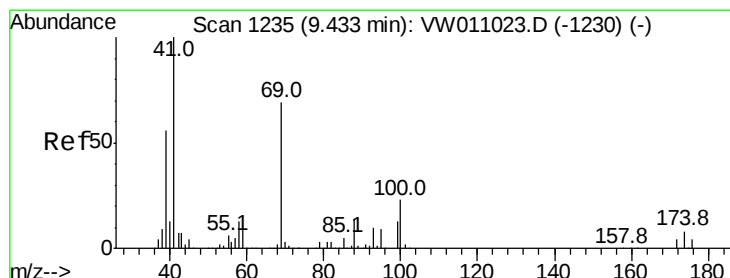
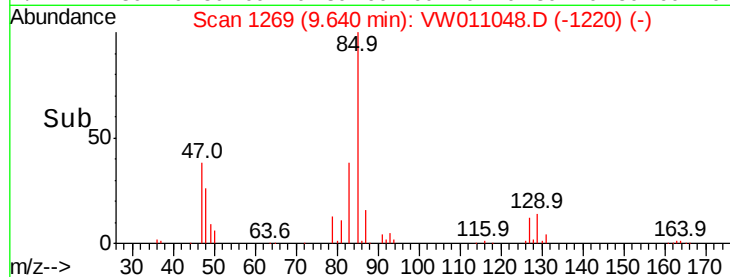
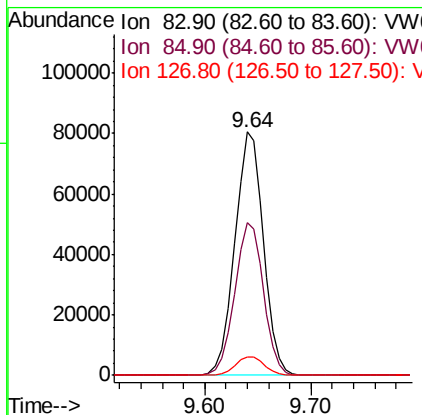
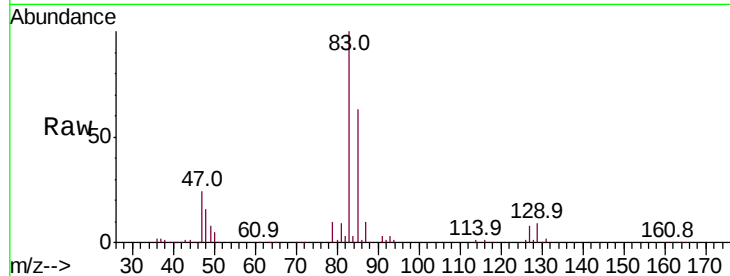
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	151325
Ion Ratio	Lower	Upper	
83	100		
85	62.9	51.0	76.4
127	7.6	5.8	8.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 57.843 ug/l

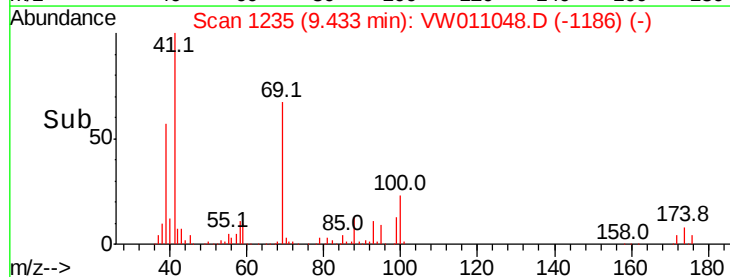
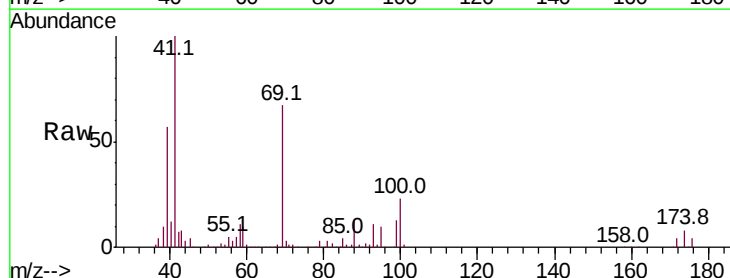
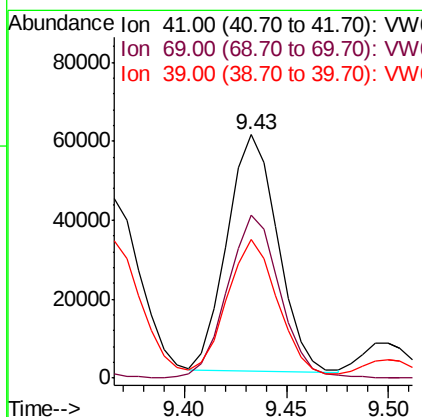
RT: 9.43 min Scan# 1235

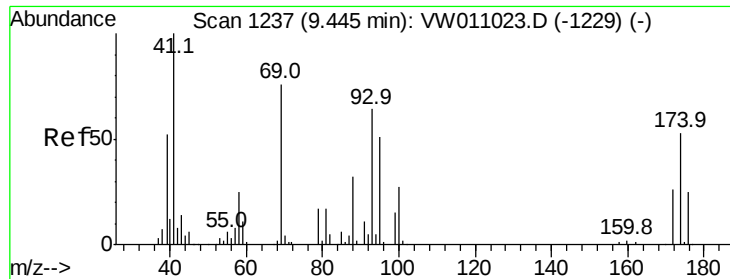
Delta R.T. -0.00 min

Lab File: VW011048.D

Acq: 28 Jun 2019 06:29

Tgt Ion:	41	Resp:	103192
Ion Ratio	Lower	Upper	
41	100		
69	71.6	56.7	85.1
39	59.8	45.0	67.6





#49

1,4-Dioxane

Concen: 1170.434 ug/l

RT: 9.44 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW011048.D

Acq: 28 Jun 2019 06:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 22983

Ion Ratio Lower Upper

88 100

43 44.2 34.4 51.6

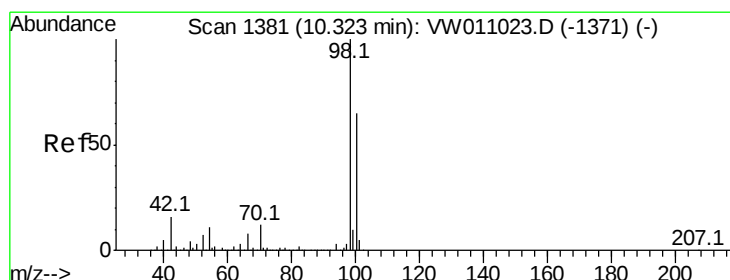
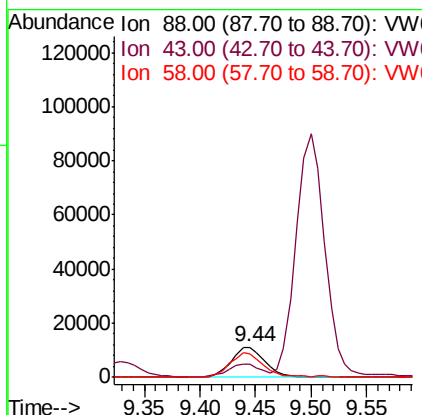
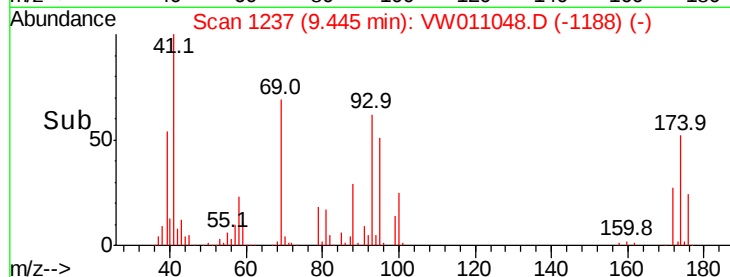
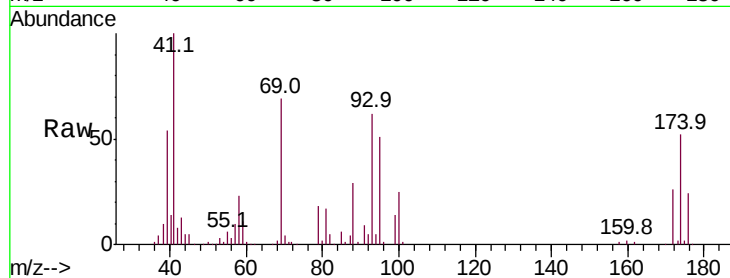
58 85.0 65.2 97.8

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#50

Toluene-d8

Concen: 50.415 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011048.D

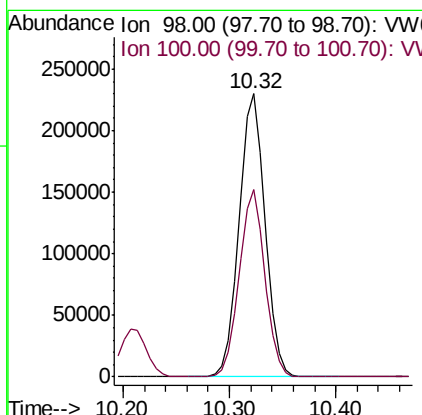
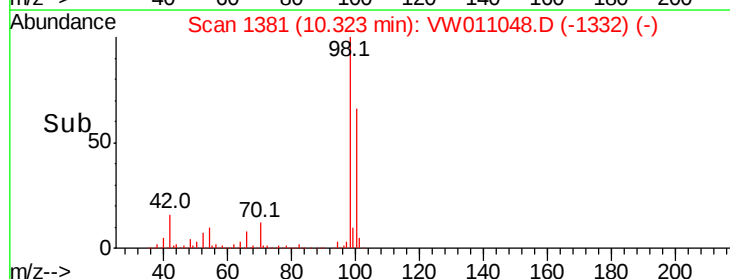
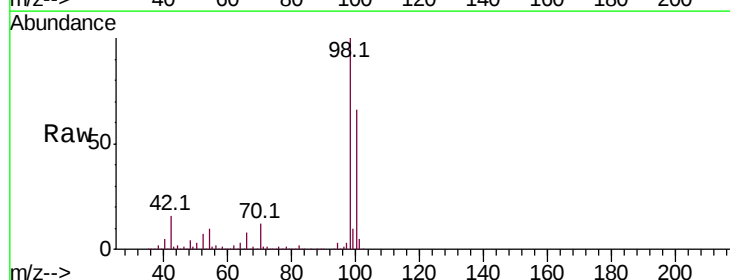
Acq: 28 Jun 2019 06:29

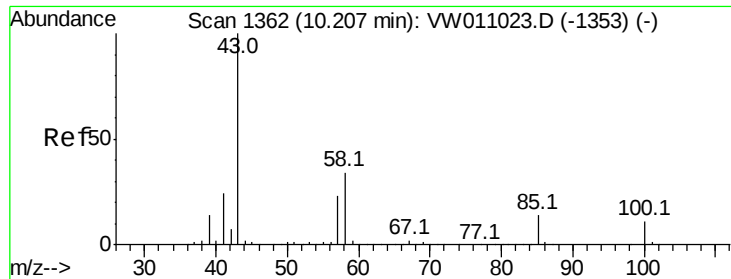
Tgt Ion: 98 Resp: 394178

Ion Ratio Lower Upper

98 100

100 65.4 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 297.362 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011048.D

Acq: 28 Jun 2019 06:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 575922

Ion Ratio Lower Upper

43 100

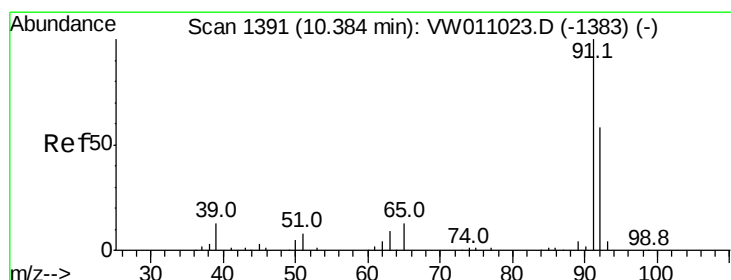
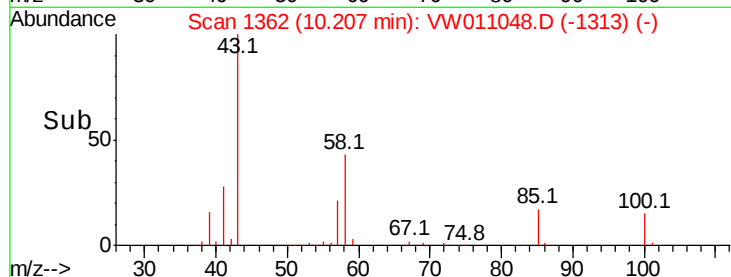
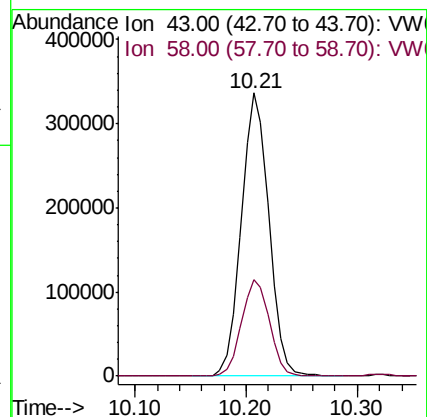
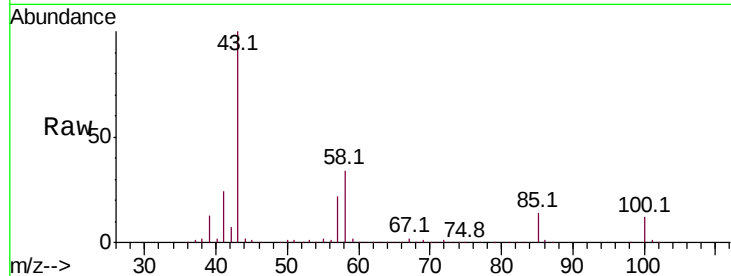
58 34.6 27.8 41.6

Manual Integrations

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#52

Toluene

Concen: 48.937 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW011048.D

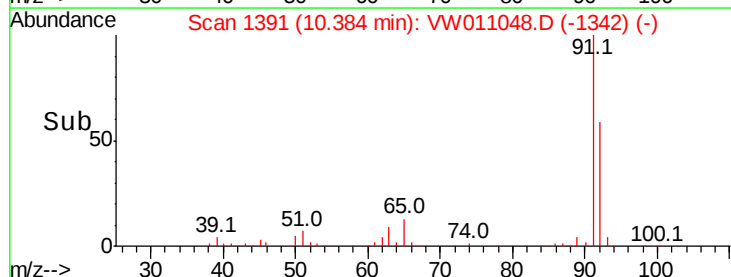
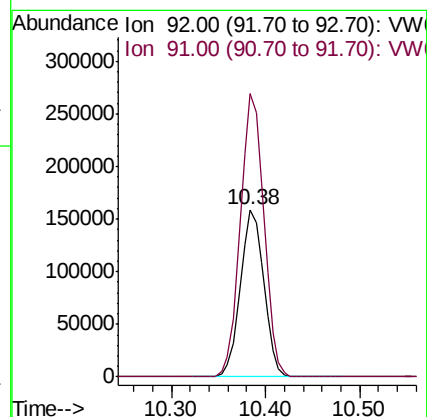
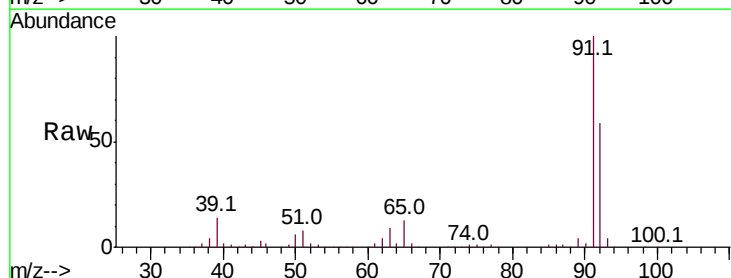
Acq: 28 Jun 2019 06:29

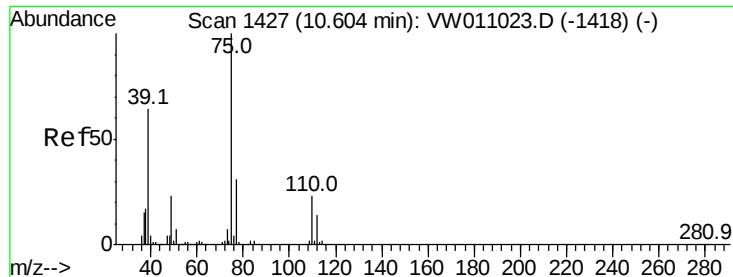
Tgt Ion: 92 Resp: 275507

Ion Ratio Lower Upper

92 100

91 170.3 136.9 205.3





#53

t-1,3-Dichloropropene

Concen: 50.422 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011048.D

Acq: 28 Jun 2019 06:29

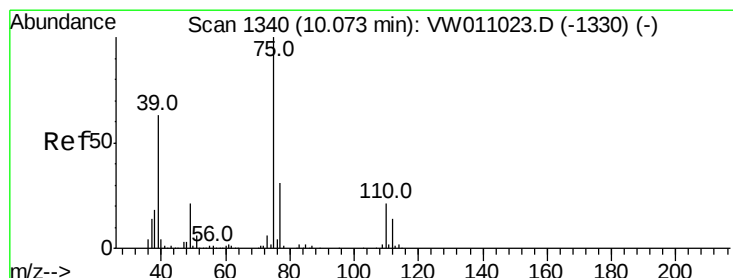
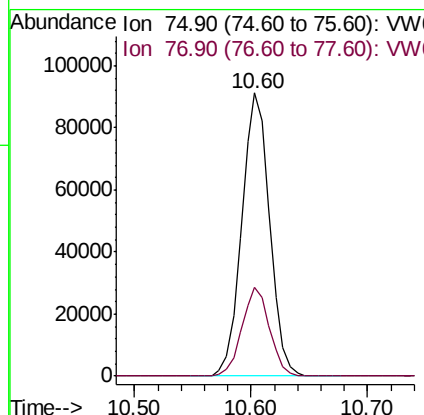
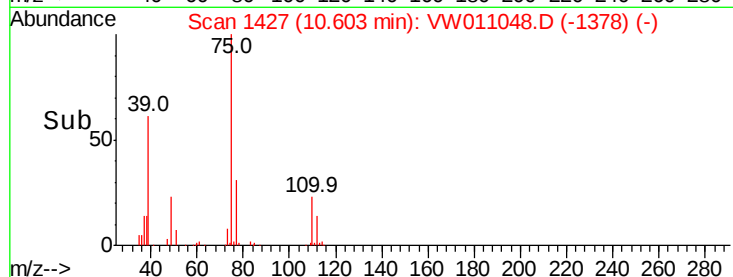
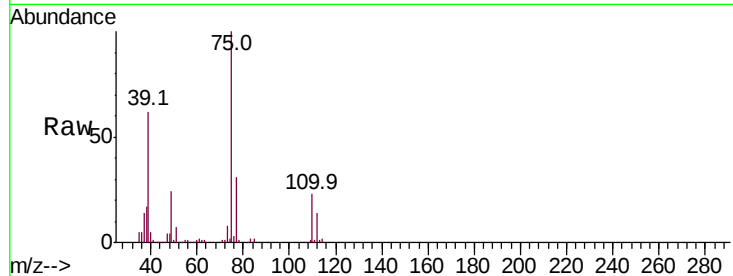
Instrument :
MSVOA_W

ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.6	37.0

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 50.068 ug/l

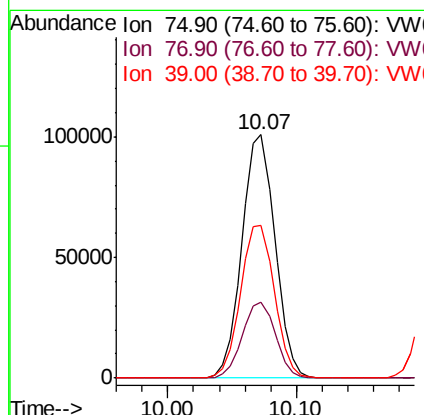
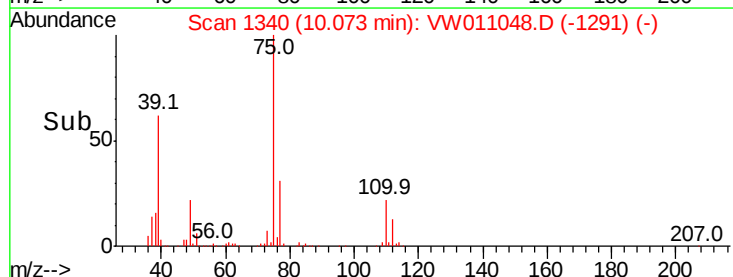
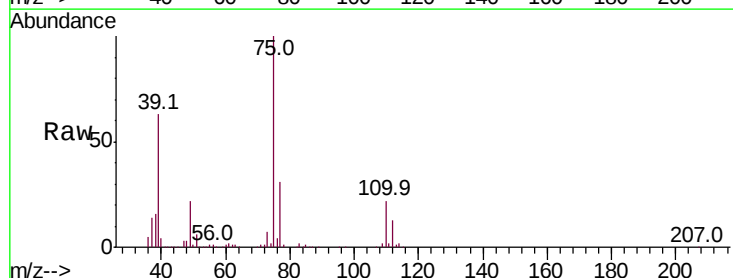
RT: 10.07 min Scan# 1340

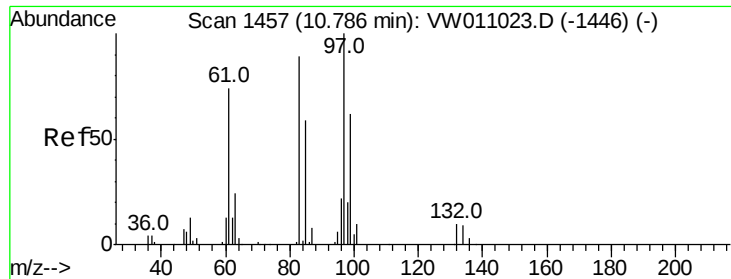
Delta R.T. -0.00 min

Lab File: VW011048.D

Acq: 28 Jun 2019 06:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.8	37.2
39	62.5	50.0	75.0





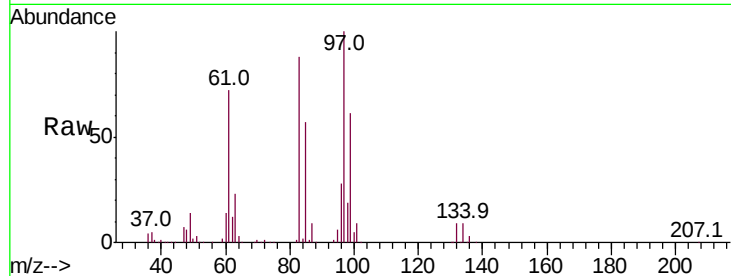
#55
 1,1,2-Trichloroethane
 Concen: 54.014 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011048.D
 Acq: 28 Jun 2019 06:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	89122
Ion	Ratio	Lower	Upper
97	100		
83	87.8	70.9	106.3
85	56.8	47.2	70.8
99	60.7	50.0	75.0

Manual Integrations
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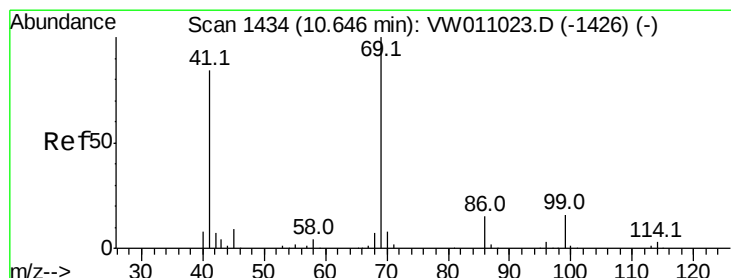
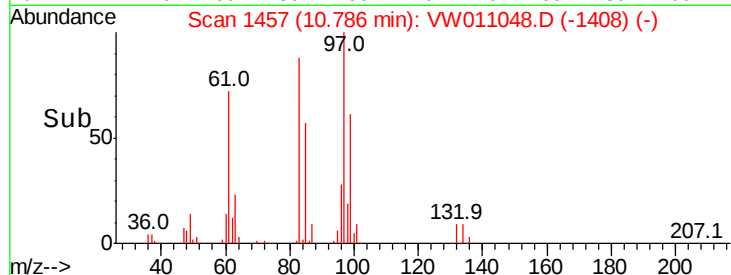
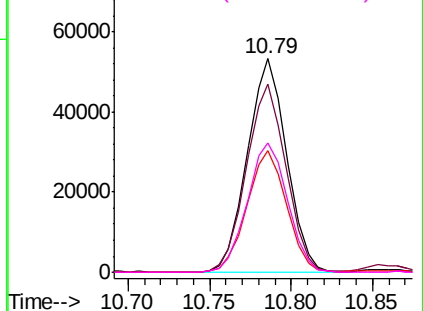
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

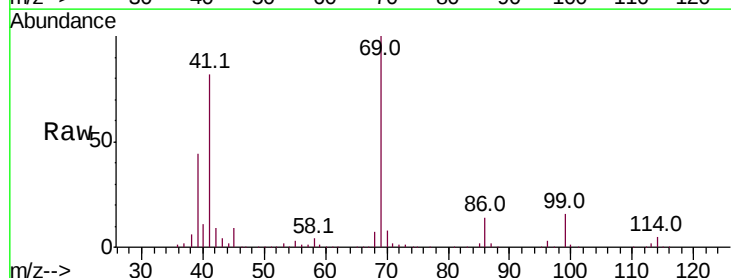
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 58.378 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011048.D
 Acq: 28 Jun 2019 06:29

Tgt Ion	69	Resp	144238
Ion	Ratio	Lower	Upper
69	100		
41	83.8	67.9	101.9
39	40.4	33.2	49.8

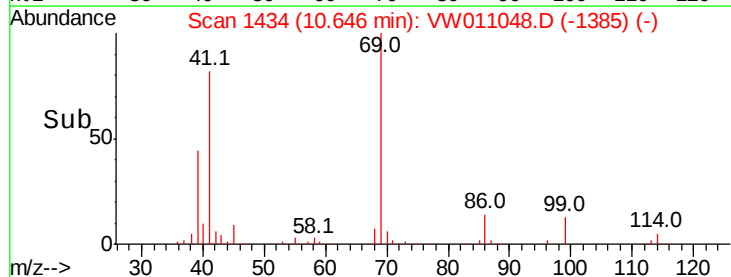
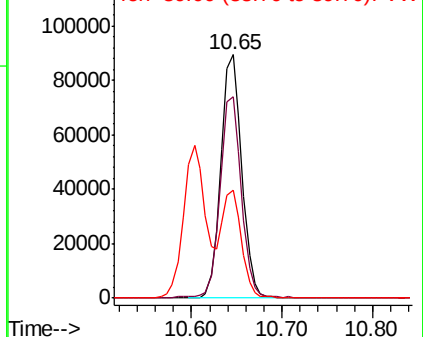


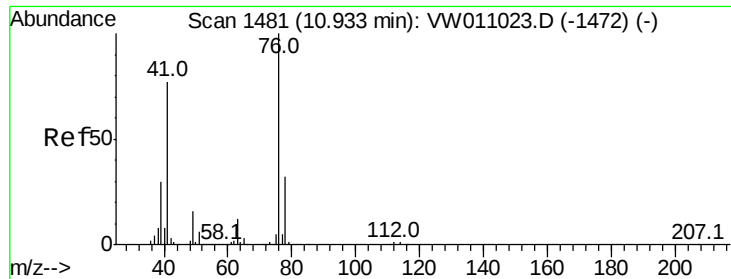
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 54.132 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW011048.D

Acq: 28 Jun 2019 06:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 169896

Ion Ratio Lower Upper

76 100

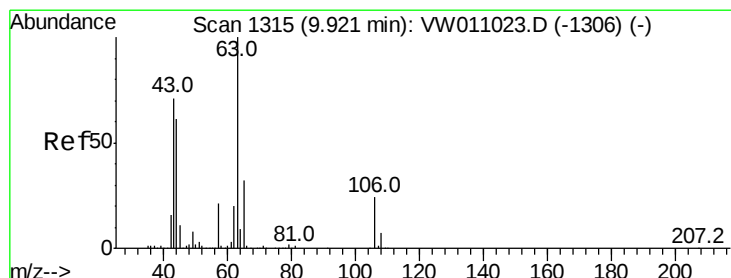
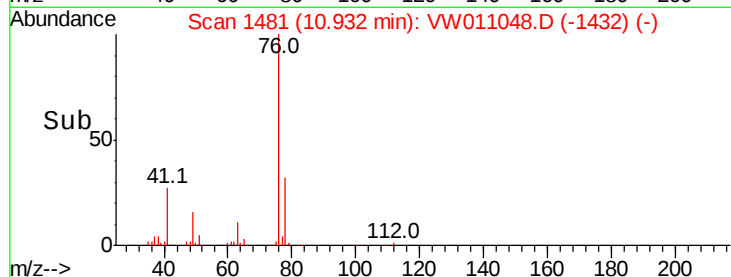
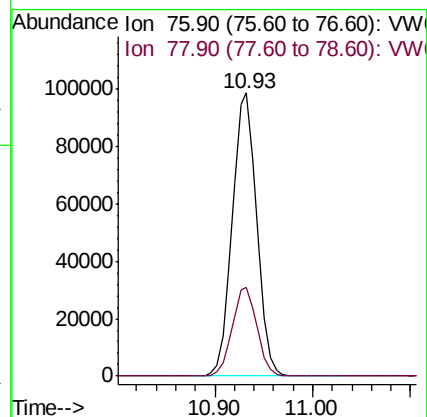
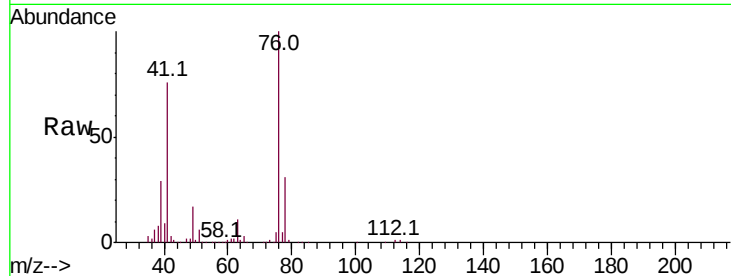
78 31.8 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 261.997 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW011048.D

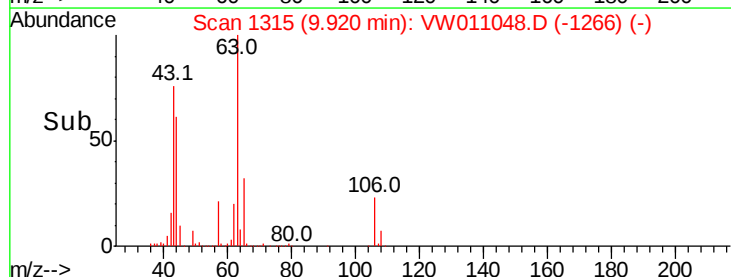
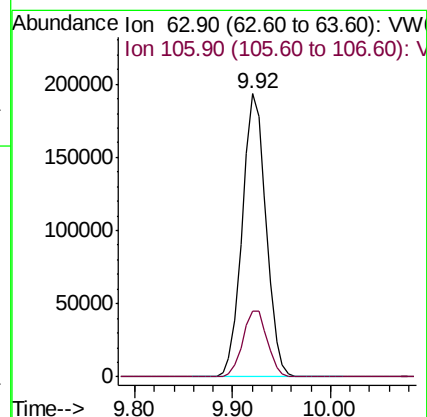
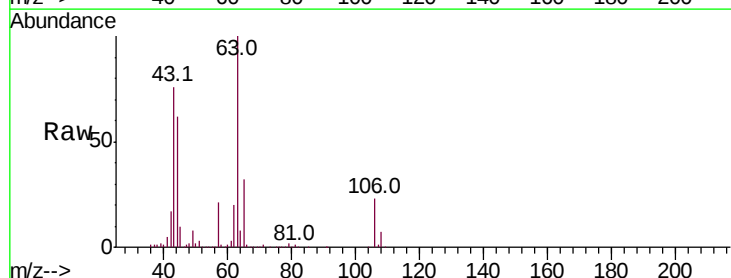
Acq: 28 Jun 2019 06:29

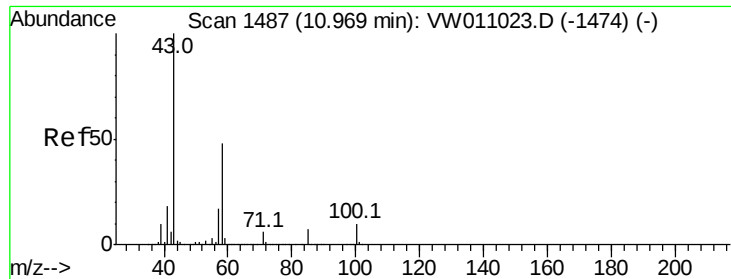
Tgt Ion: 63 Resp: 327531

Ion Ratio Lower Upper

63 100

106 24.0 19.4 29.0





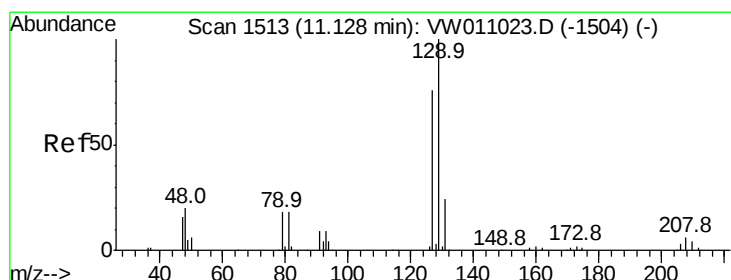
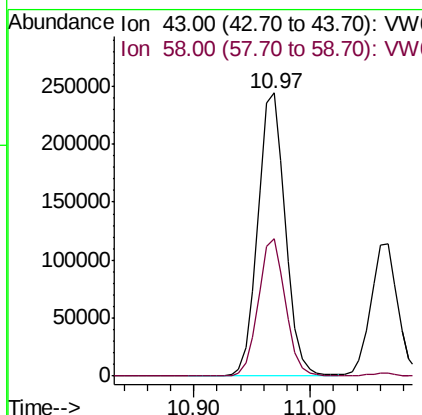
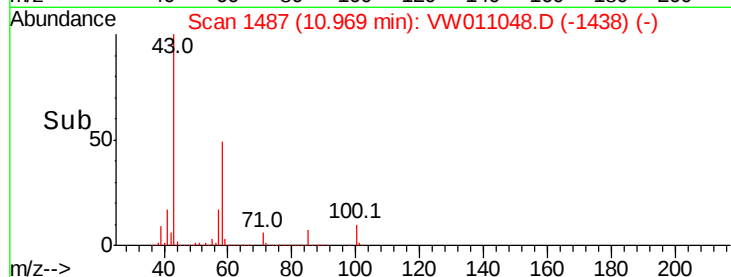
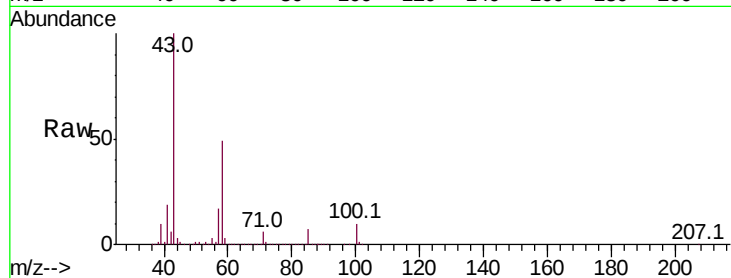
#59
2-Hexanone
Concen: 297.022 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 401171
Ion Ratio Lower Upper
43 100
58 47.9 23.8 71.5

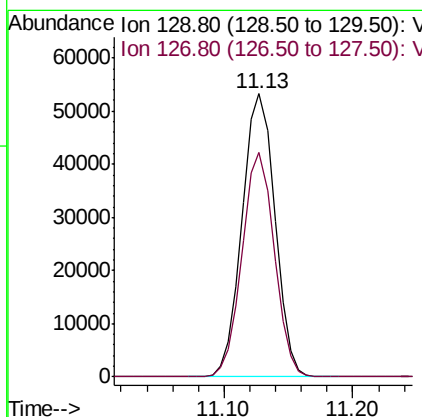
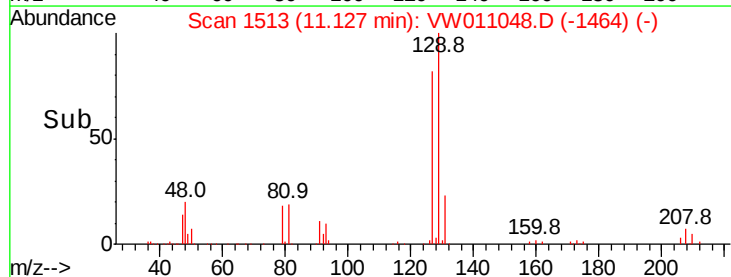
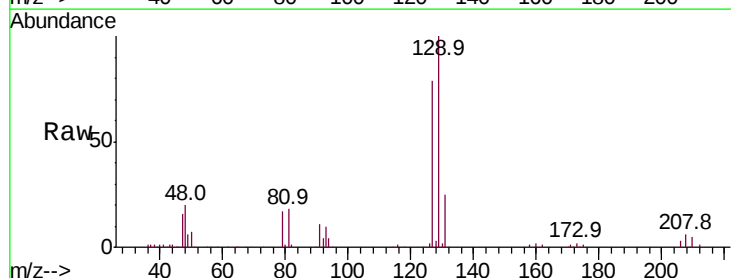
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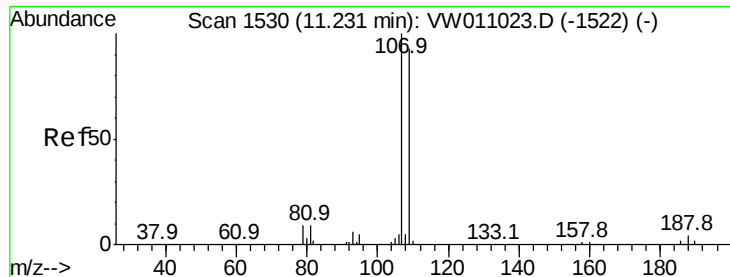
MMDadoda
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#60
Dibromochloromethane
Concen: 54.387 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Tgt Ion:129 Resp: 94103
Ion Ratio Lower Upper
129 100
127 77.5 39.4 118.1





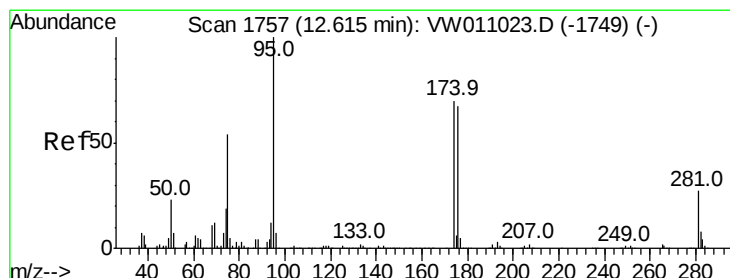
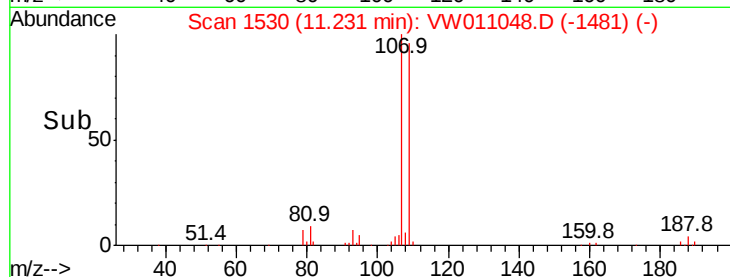
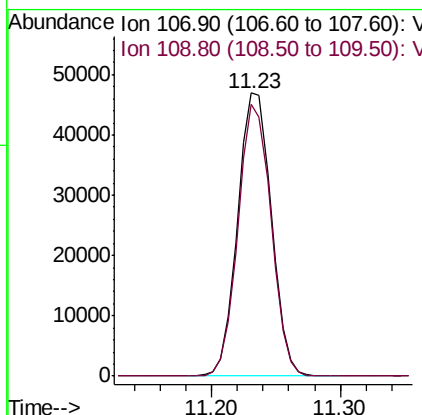
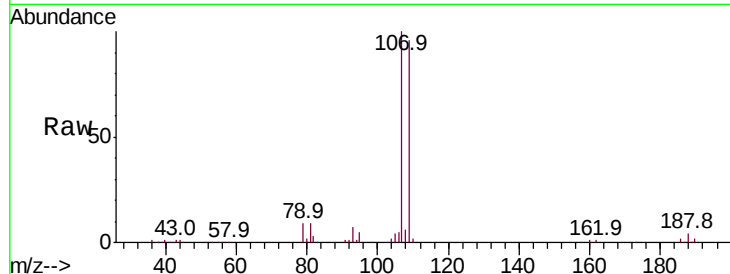
#61
 1,2-Dibromoethane
 Concen: 55.134 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW011048.D
 Acq: 28 Jun 2019 06:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.1	112.7

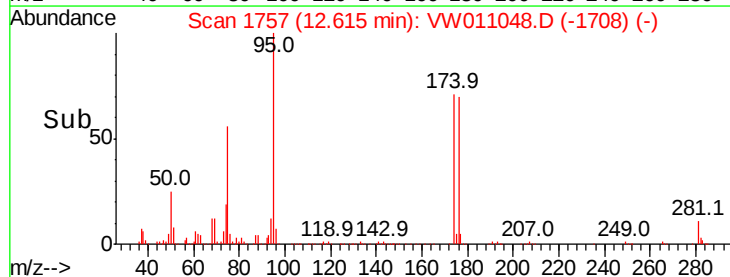
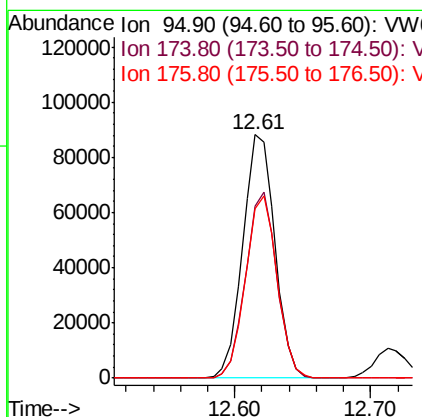
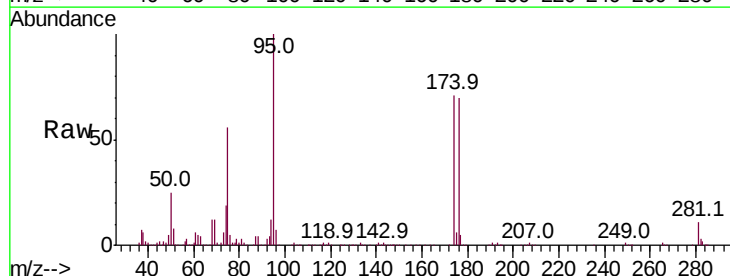
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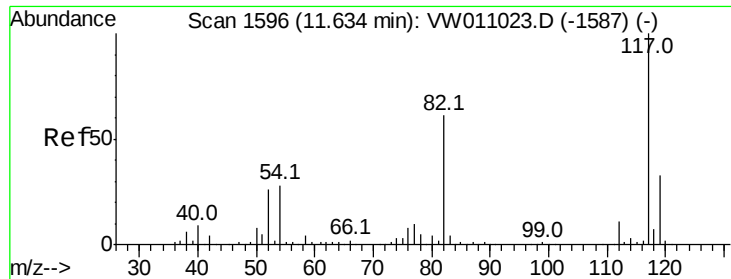
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 6/28/2019 10:27:04 AM



#62
 4-Bromofluorobenzene
 Concen: 50.965 ug/l
 RT: 12.61 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW011048.D
 Acq: 28 Jun 2019 06:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	149.2
176	73.8	0.0	143.6





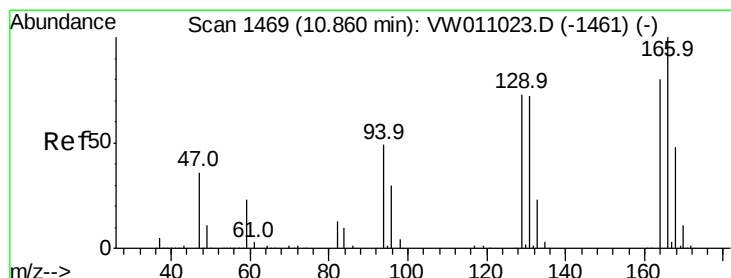
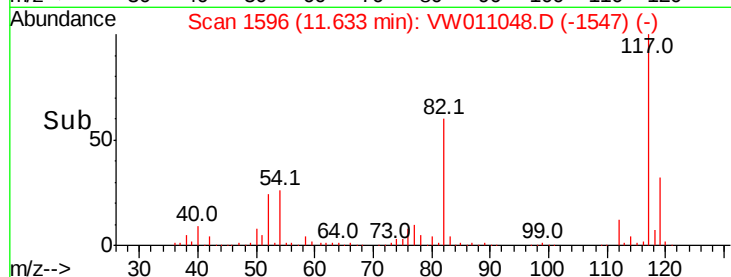
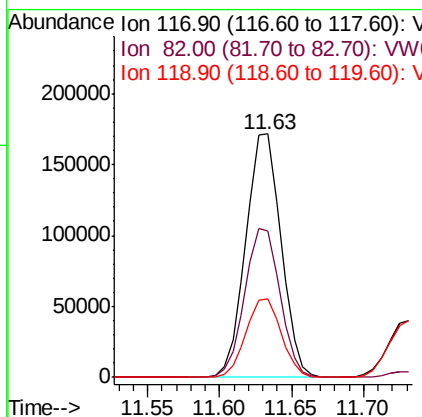
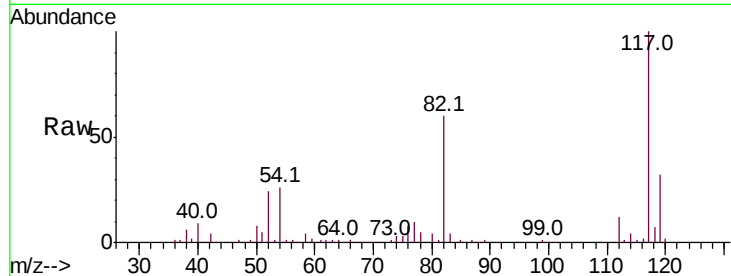
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	290998		
82	60.0	48.6	73.0	
119	32.1	26.1	39.1	

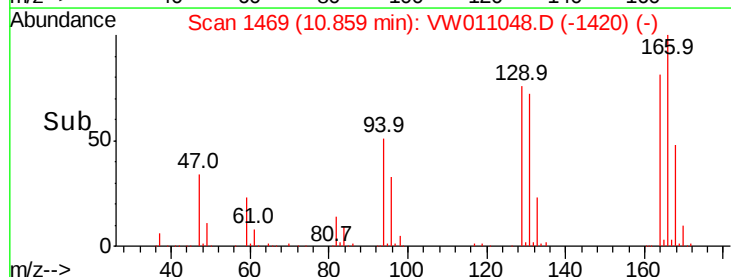
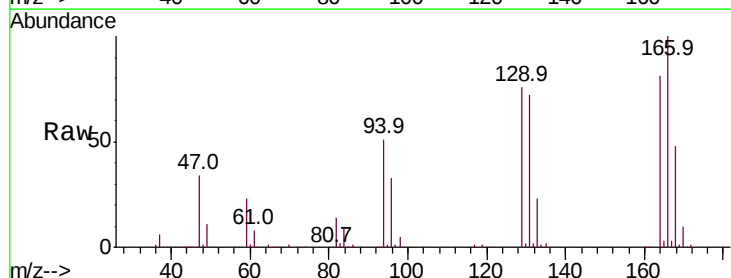
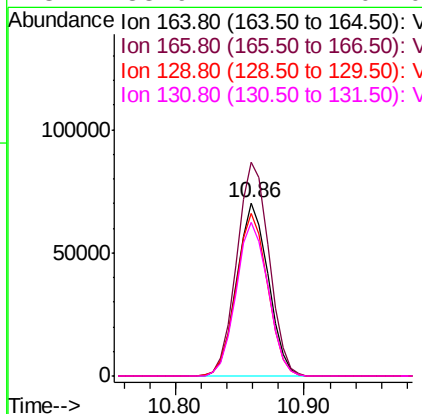
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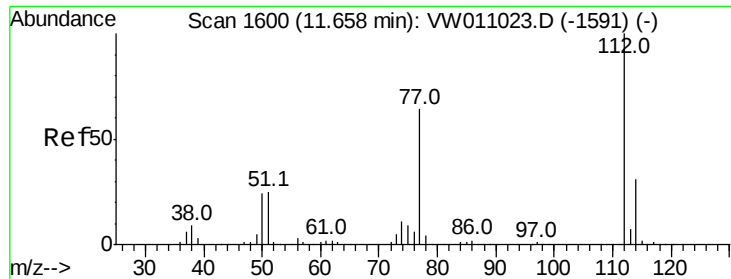
MMDadoda
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#64
Tetrachloroethene
Concen: 59.104 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	118361		
166	123.6	99.8	149.6	
129	94.4	73.0	109.4	
131	88.9	71.4	107.0	





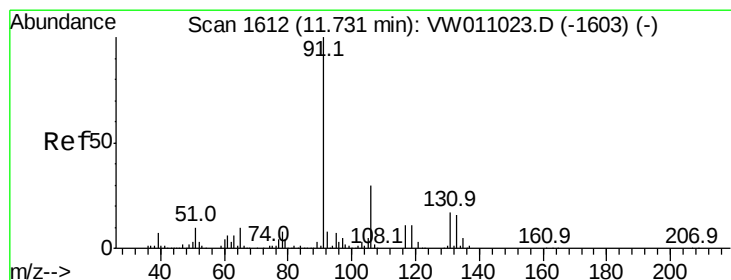
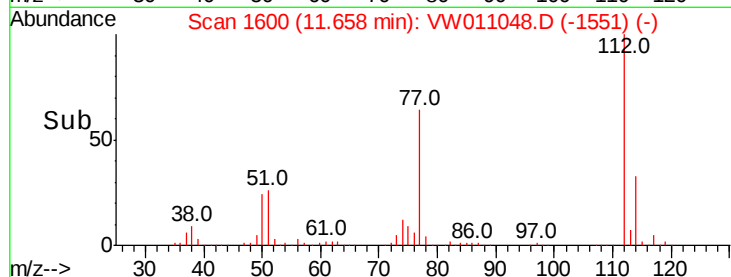
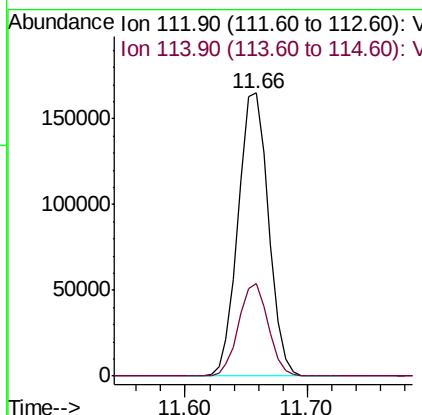
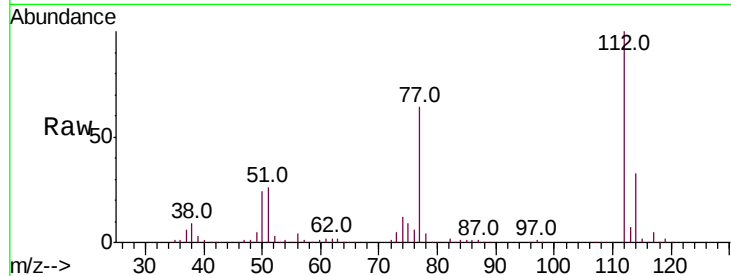
#65
Chlorobenzene
Concen: 47.857 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.2	37.8

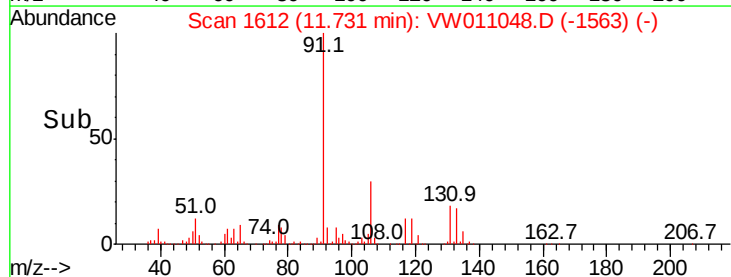
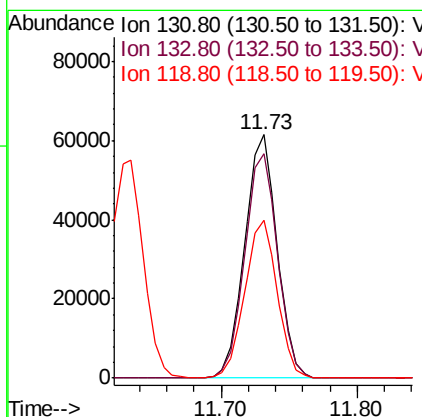
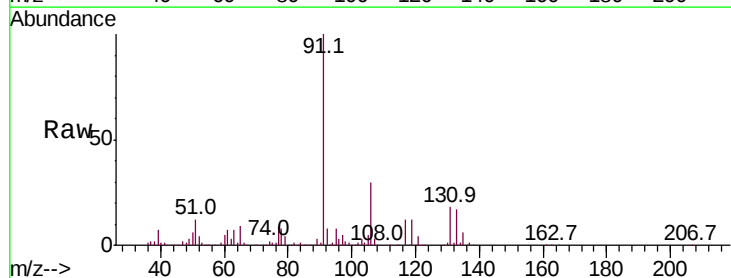
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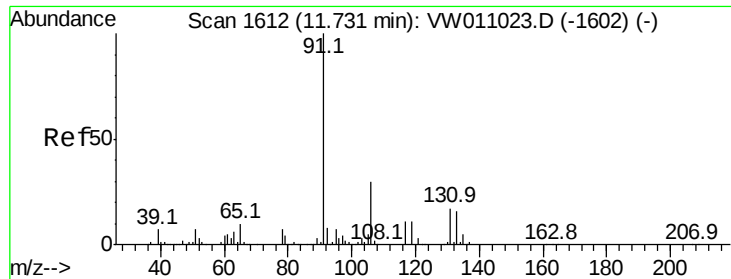
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.595 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.8	47.7	143.1
119	65.1	33.1	99.2





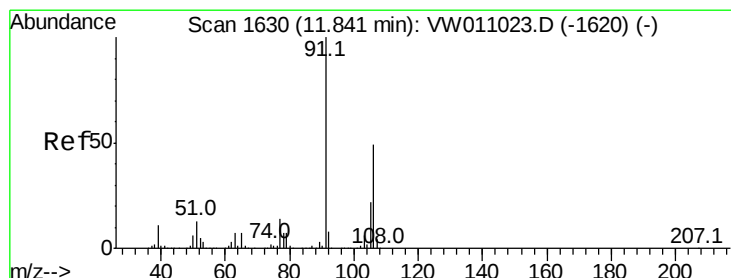
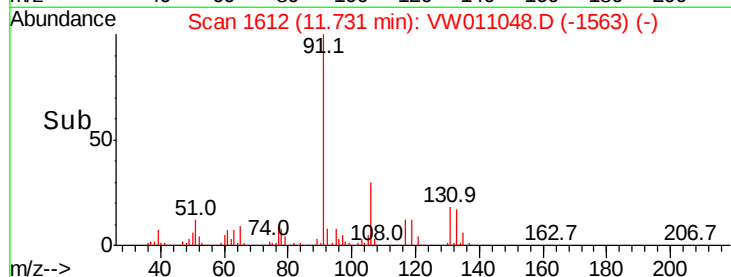
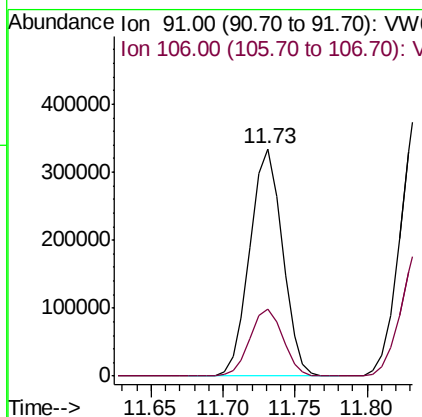
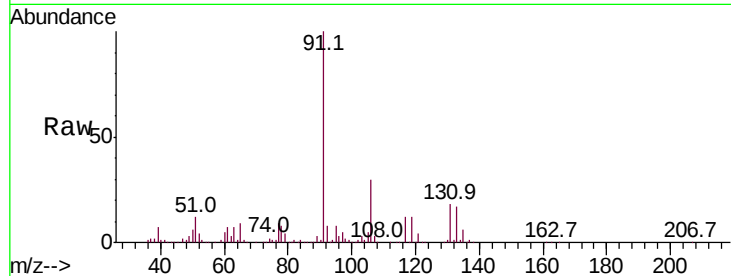
#67
Ethyl Benzene
Concen: 46.142 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	91	Resp	526431
Ion Ratio	100	Lower	Upper
106	29.5	23.8	35.6

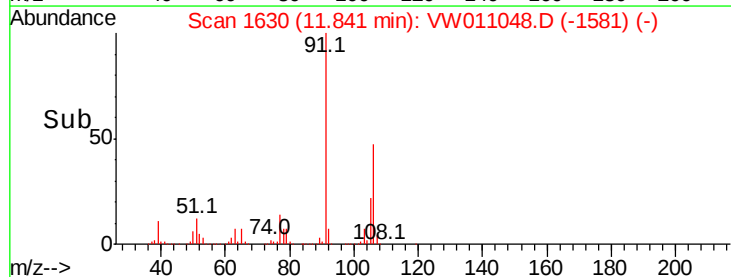
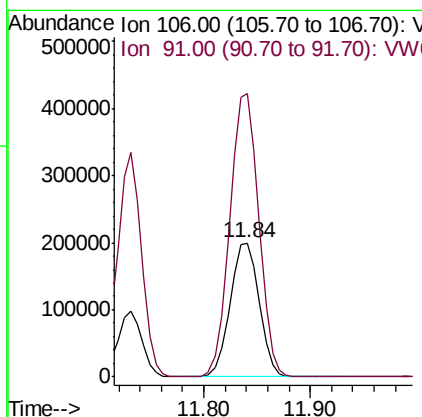
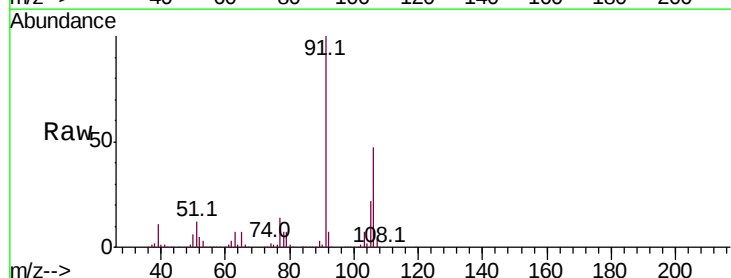
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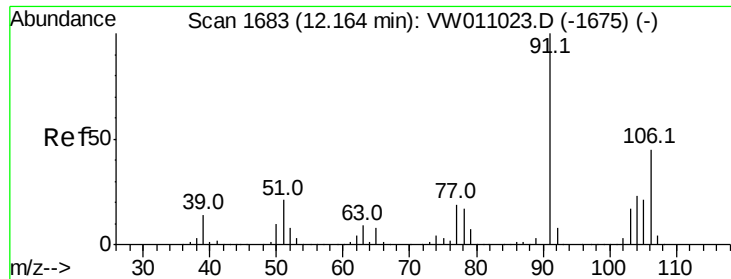
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#68
m/p-Xylenes
Concen: 92.163 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Tgt Ion	106	Resp	381543
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	210.9	167.5	251.3





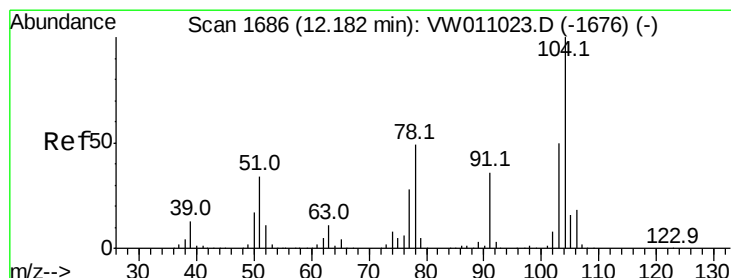
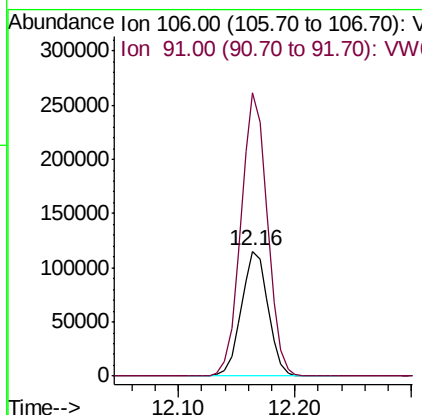
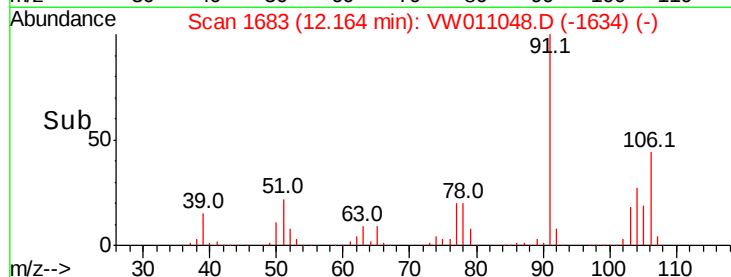
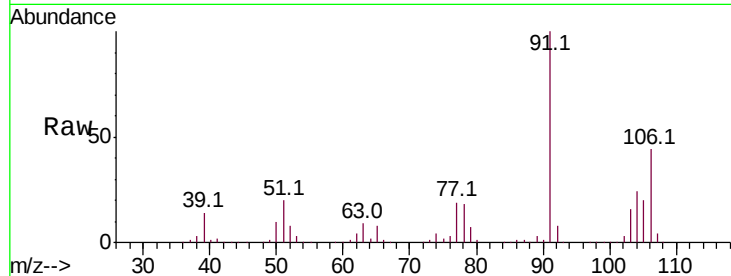
#69
o-Xylene
Concen: 47.923 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 184790
Ion Ratio Lower Upper
106 100
91 223.9 110.8 332.3

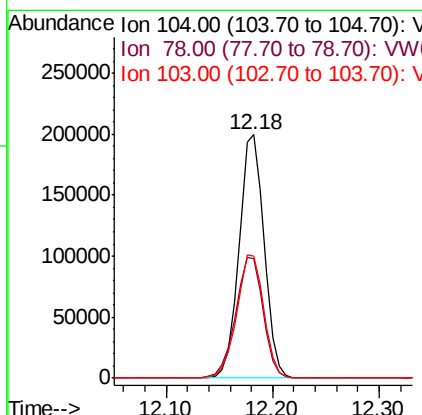
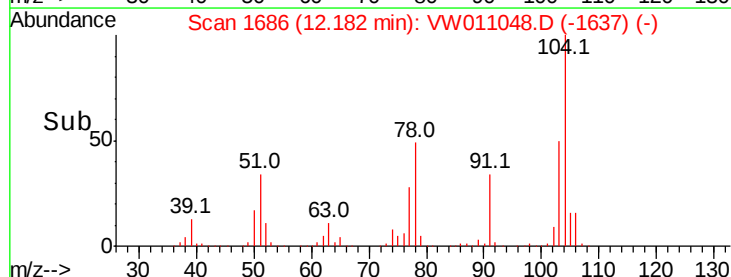
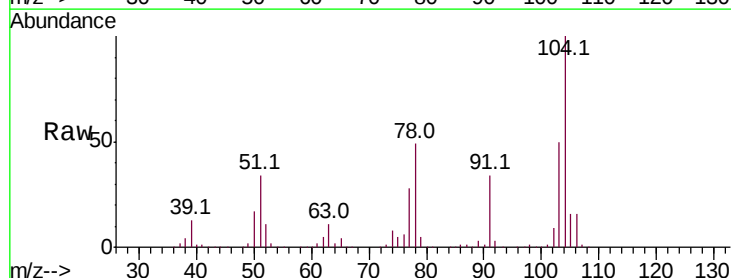
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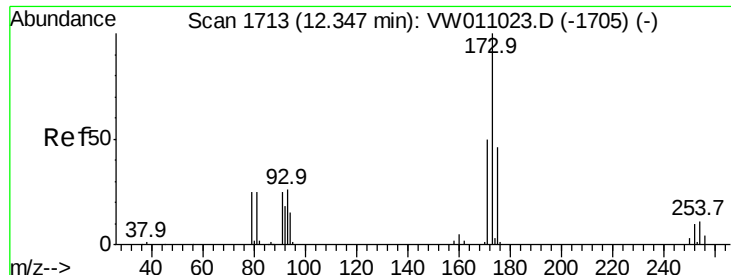
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#70
Styrene
Concen: 49.230 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Tgt Ion:104 Resp: 329870
Ion Ratio Lower Upper
104 100
78 54.4 43.7 65.5
103 54.8 43.9 65.9





#71

Bromoform

Concen: 54.812 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011048.D

Acq: 28 Jun 2019 06:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 54042

Ion Ratio Lower Upper

173 100

175 48.3 24.1 72.2

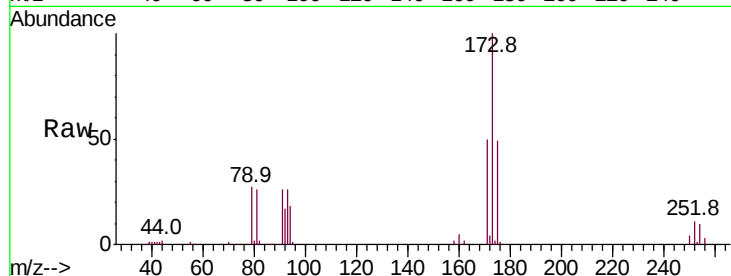
254 0.0 0.0 0.0#

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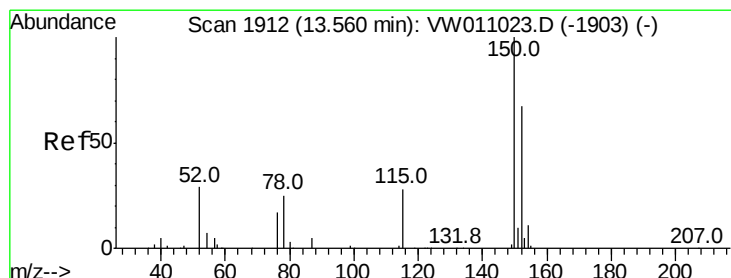
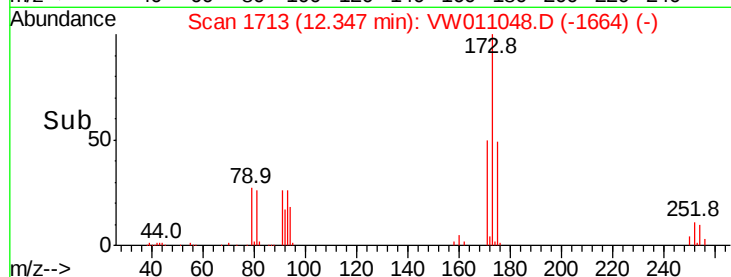
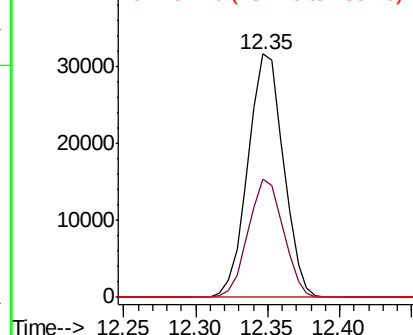
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011048.D

Acq: 28 Jun 2019 06:29

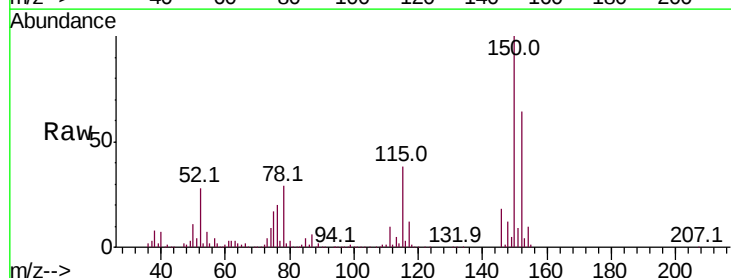
Tgt Ion:152 Resp: 142795

Ion Ratio Lower Upper

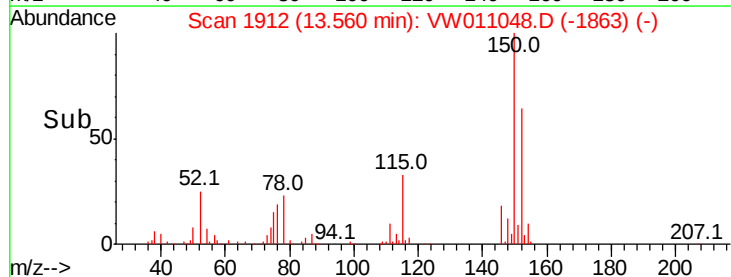
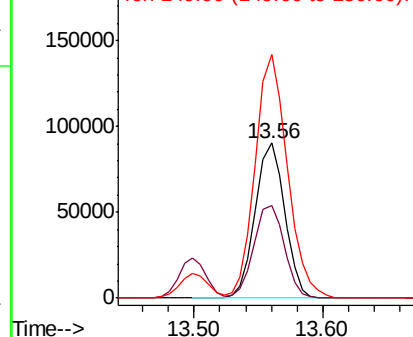
152 100

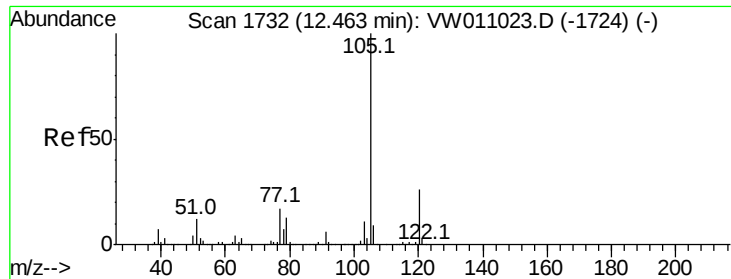
115 61.5 30.7 92.1

150 171.4 0.0 341.8



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: 45.874 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011048.D

Acq: 28 Jun 2019 06:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 490728

Ion Ratio Lower Upper

105 100

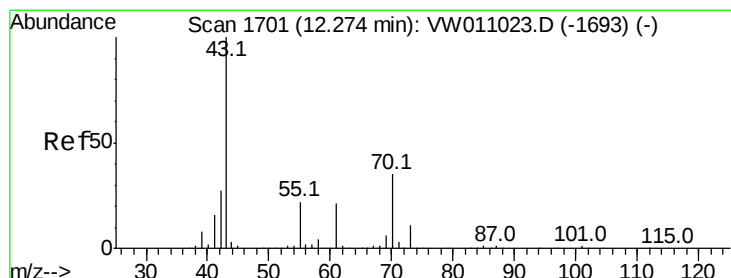
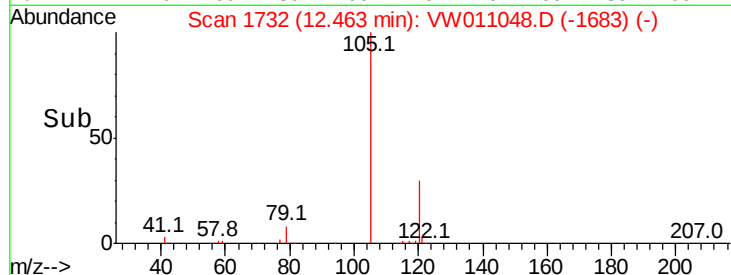
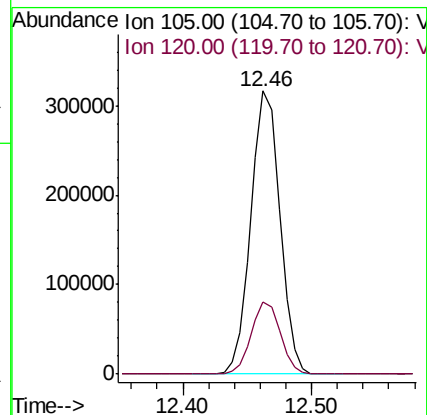
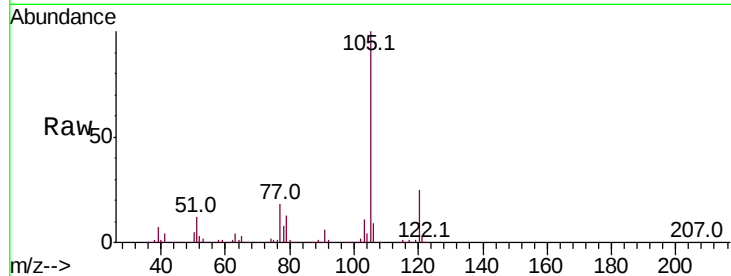
120 25.4 12.9 38.6

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#74

N-ethyl acetate

Concen: 54.767 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011048.D

Acq: 28 Jun 2019 06:29

Tgt Ion: 43 Resp: 196754

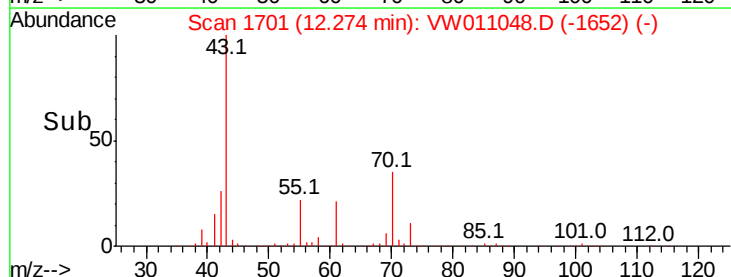
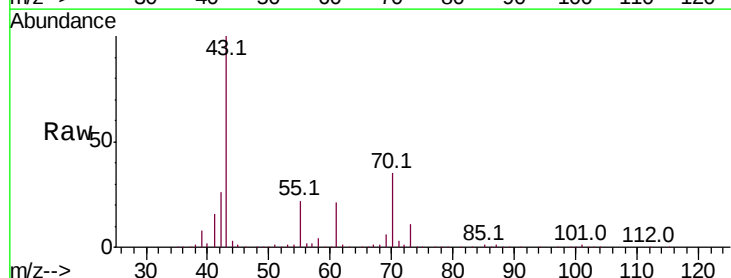
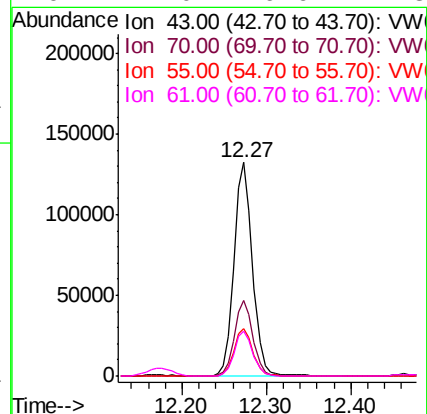
Ion Ratio Lower Upper

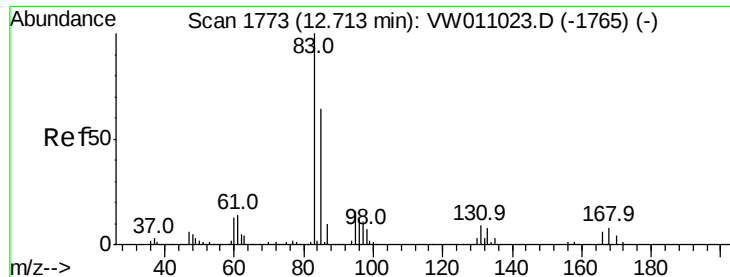
43 100

70 35.6 28.2 42.4

55 23.0 17.8 26.8

61 21.0 16.6 24.8





#75

1,1,2,2-Tetrachloroethane

Concen: 53.708 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011048.D

Acq: 28 Jun 2019 06:29

Instrument :

MSVOA_W

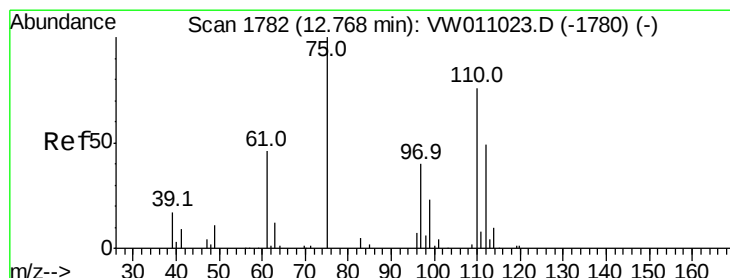
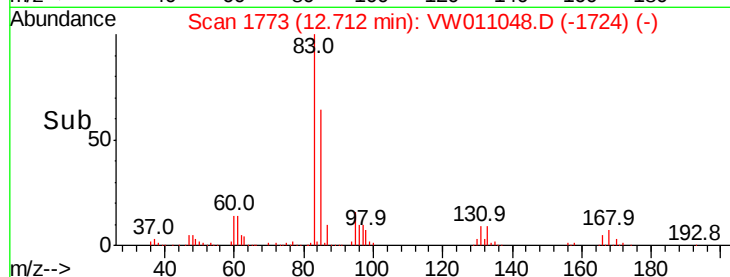
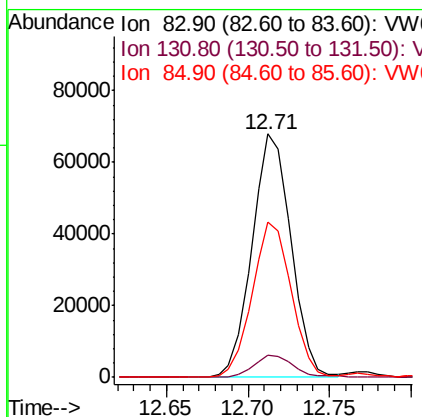
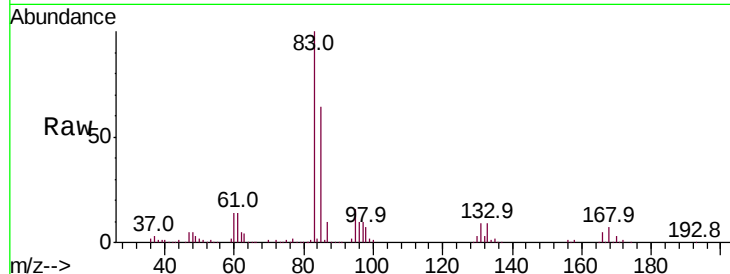
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	112823
Ion Ratio	Lower	Upper	
83	100		
131	9.4	5.0	14.9
85	63.7	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.598 ug/l m

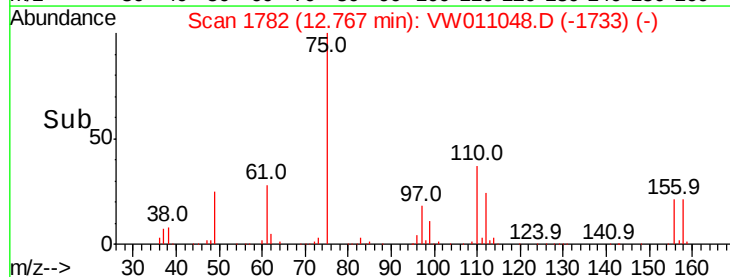
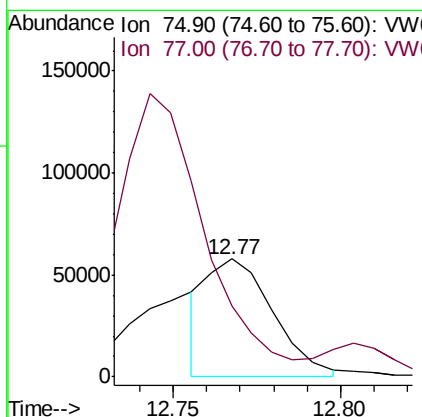
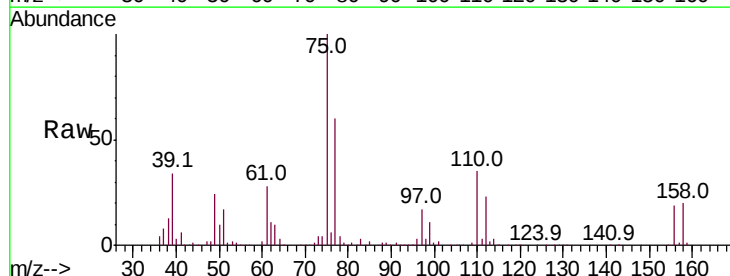
RT: 12.77 min Scan# 1782

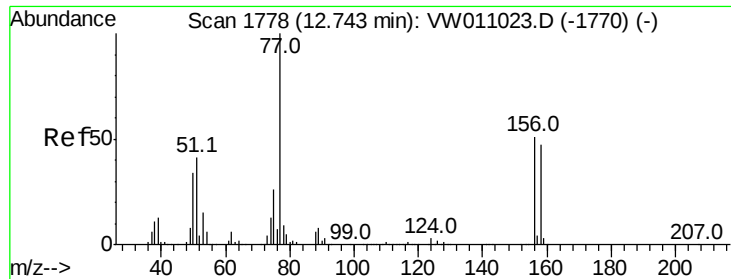
Delta R.T. -0.00 min

Lab File: VW011048.D

Acq: 28 Jun 2019 06:29

Tgt Ion:	75	Resp:	80802
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





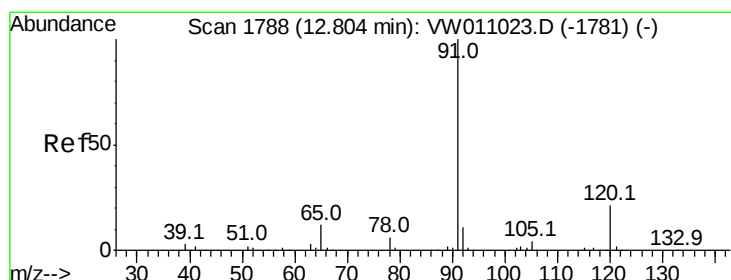
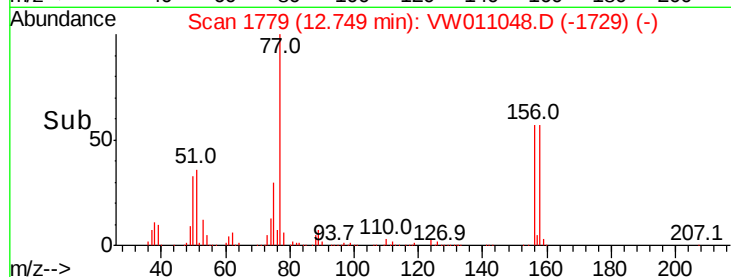
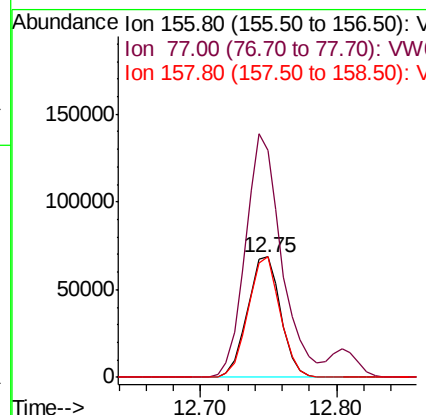
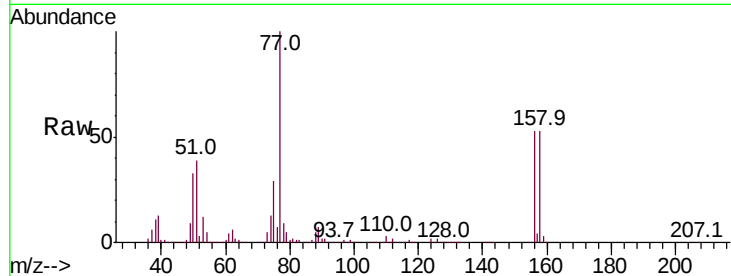
#77
Bromobenzene
Concen: 49.835 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.01 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	218.8	109.5	328.5
158	97.0	48.6	145.9

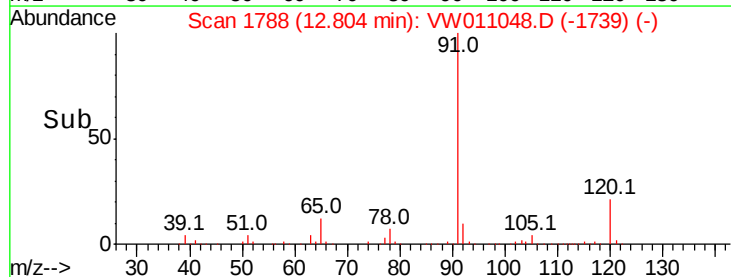
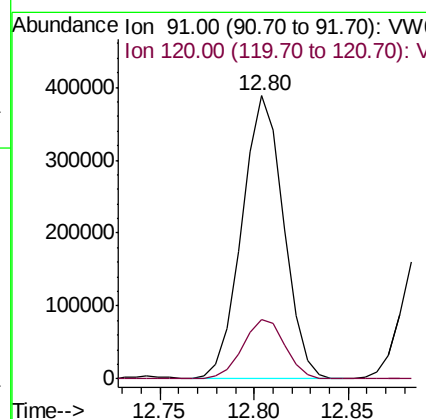
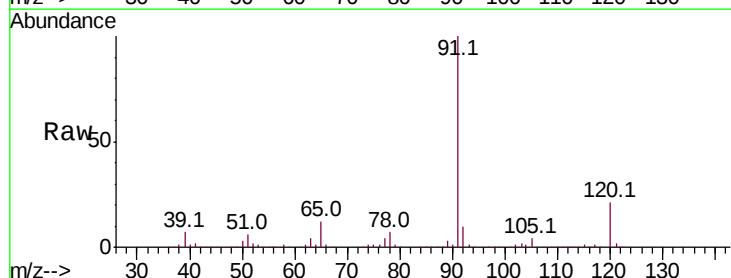
Manual Integrations
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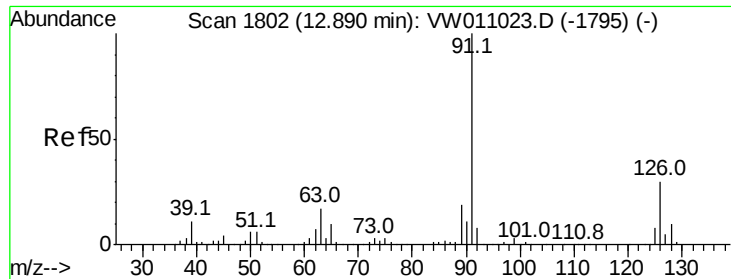
MMDadoda
6/28/2019 10:27:04 AM



#78
n-propylbenzene
Concen: 44.972 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.5	31.6





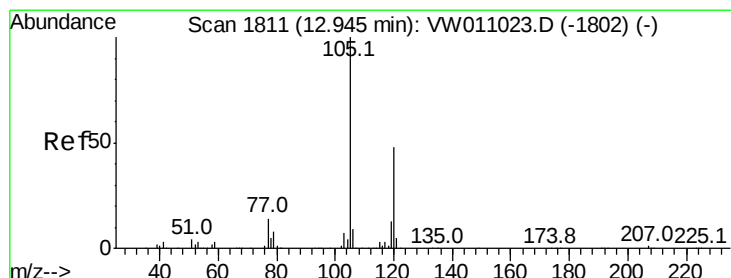
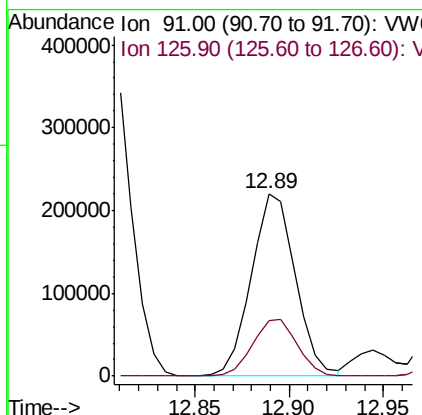
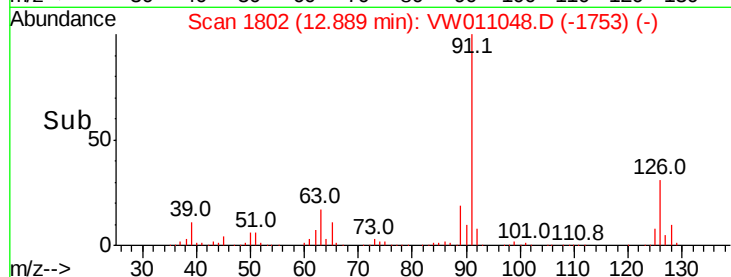
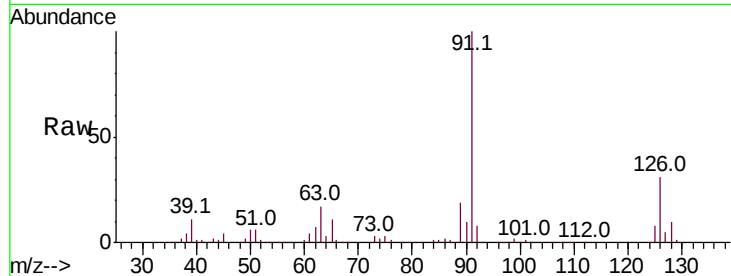
#79
2-Chlorotoluene
Concen: 47.218 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 357351
Ion Ratio Lower Upper
91 100
126 31.4 15.4 46.4

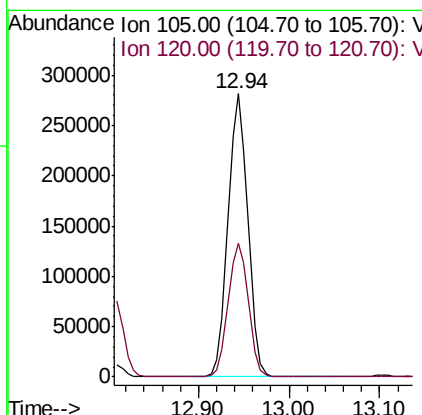
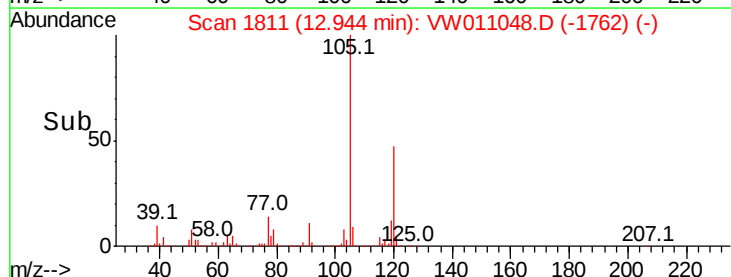
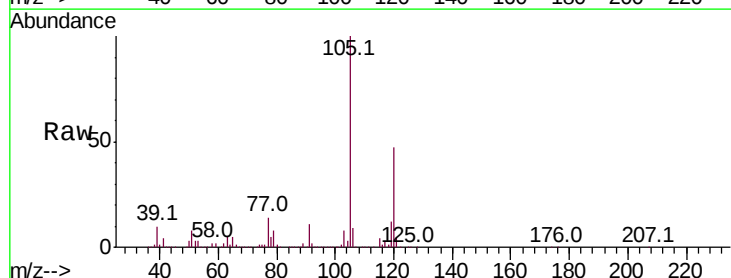
Manual Integrations
APPROVED

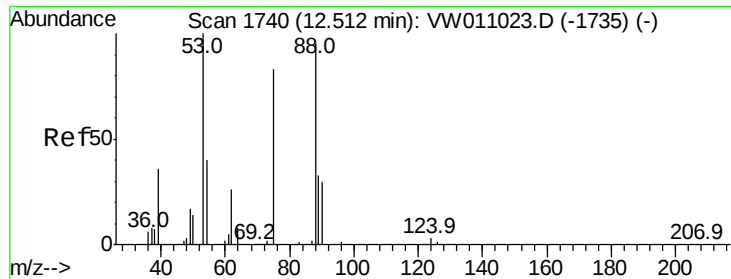
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 47.020 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Tgt Ion: 105 Resp: 426325
Ion Ratio Lower Upper
105 100
120 48.0 23.8 71.5





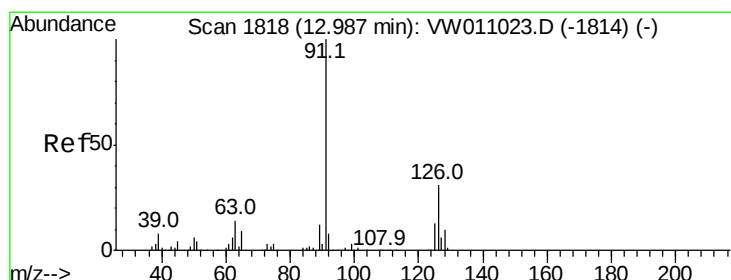
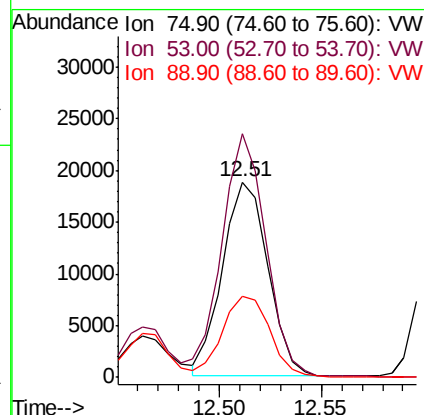
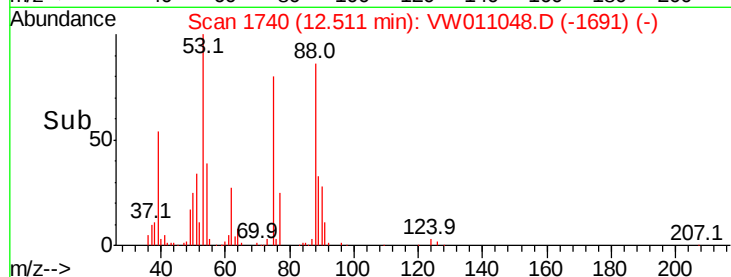
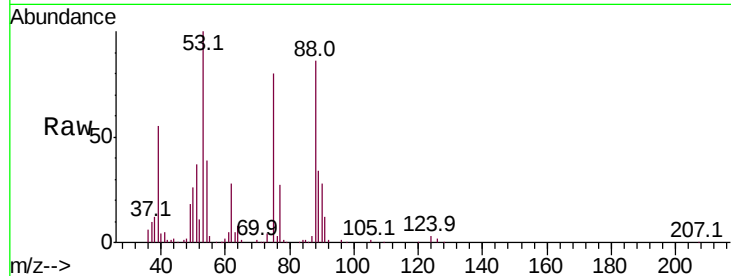
#81
trans-1,4-Dichloro-2-butene
Concen: 41.730 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	121.6	95.6	143.4
89	43.7	34.4	51.6

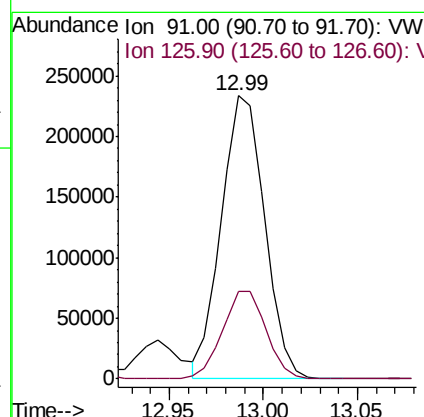
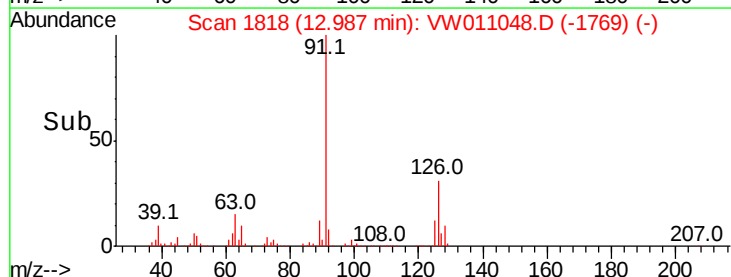
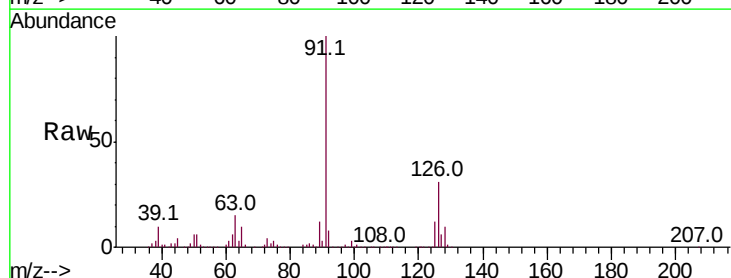
Manual Integrations
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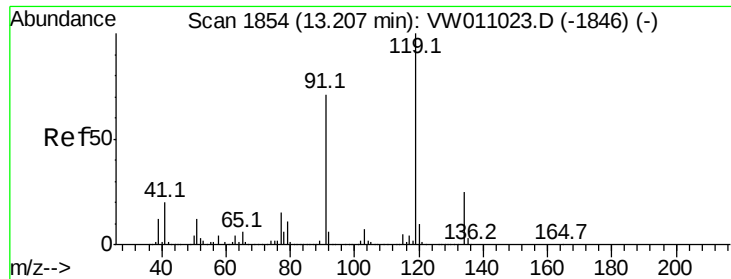
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6/28/2019 10:27:04 AM



#82
4-Chlorotoluene
Concen: 47.193 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.7	47.1





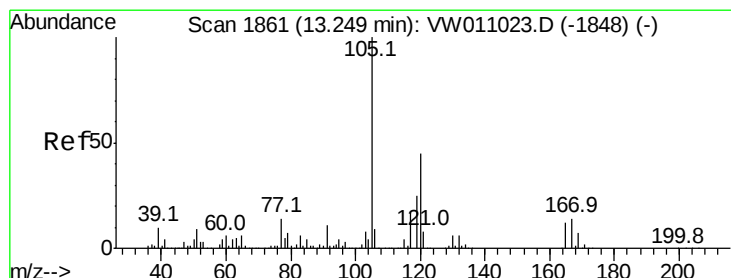
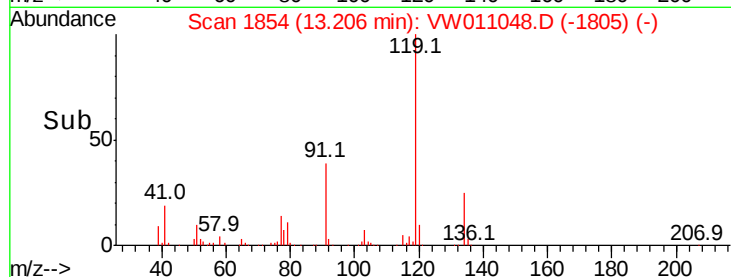
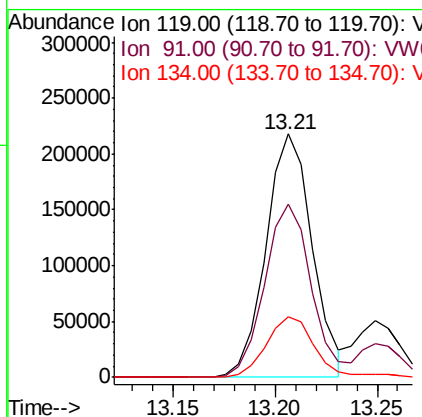
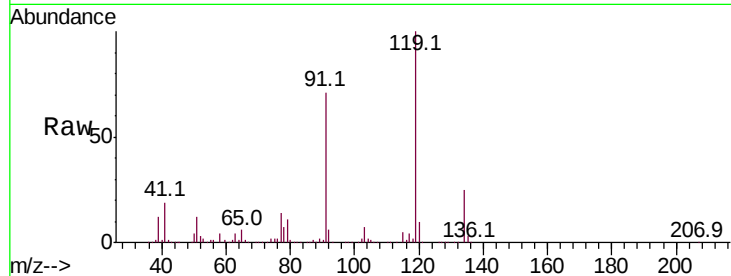
#83
tert-Butylbenzene
Concen: 45.484 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	72.4	35.5	106.5
134	26.4	12.4	37.2

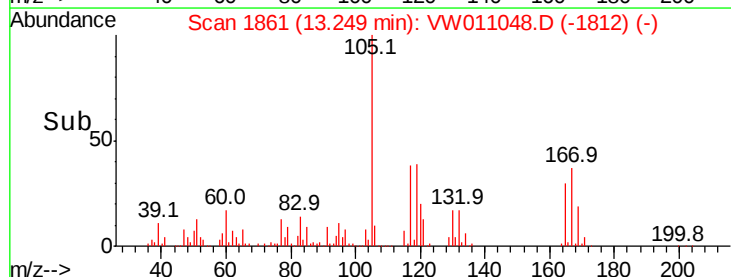
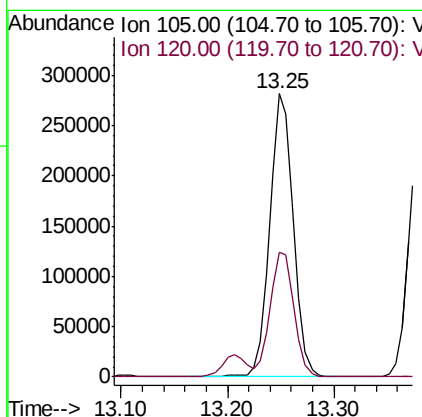
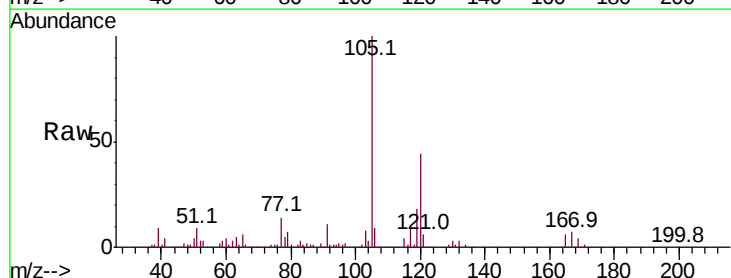
Manual Integrations
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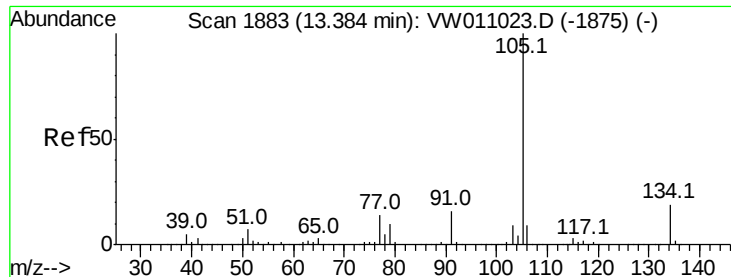
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#84
1,2,4-Trimethylbenzene
Concen: 47.384 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.4	67.2





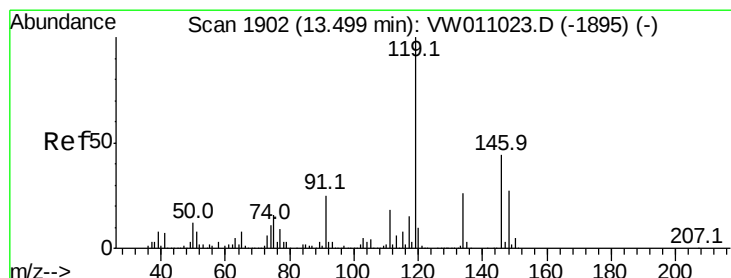
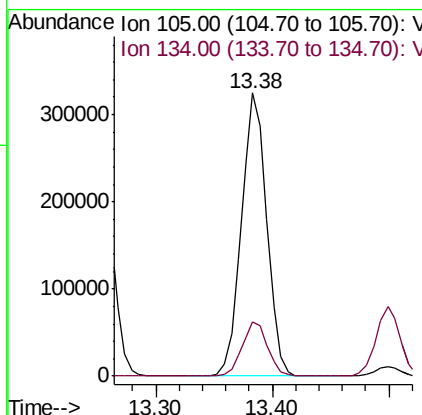
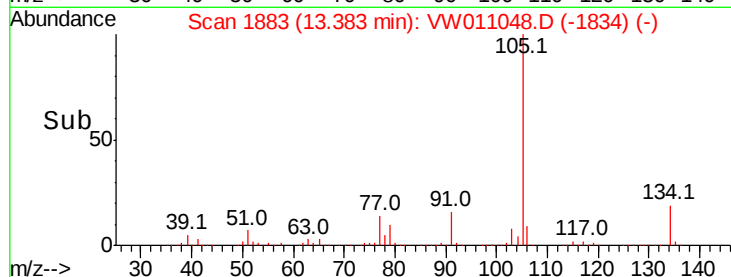
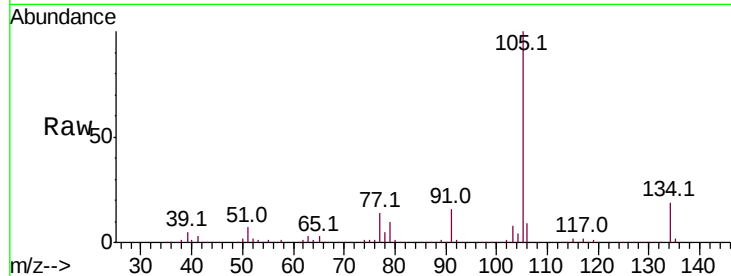
#85
 sec-Butylbenzene
 Concen: 44.829 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011048.D
 Acq: 28 Jun 2019 06:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.6	28.8

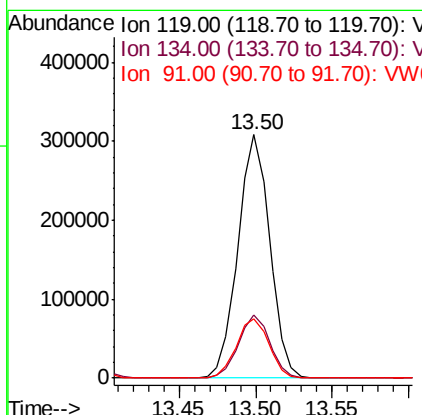
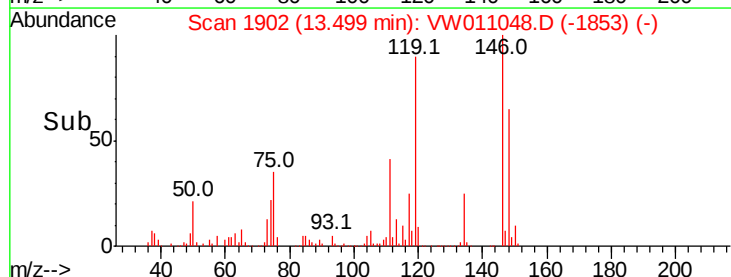
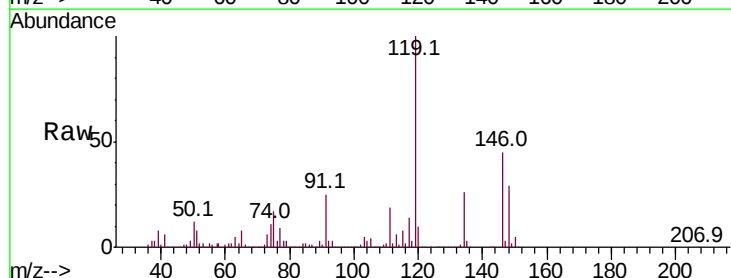
Manual Integrations
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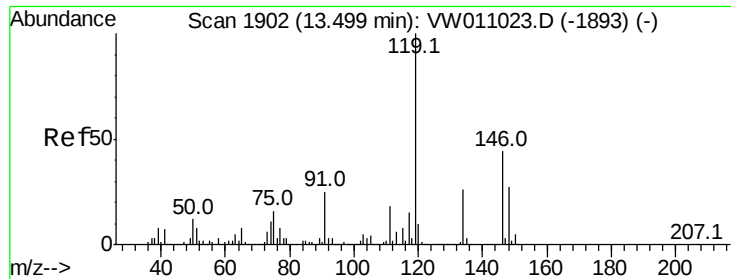
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#86
 p-Isopropyltoluene
 Concen: 45.018 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011048.D
 Acq: 28 Jun 2019 06:29

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.9	38.7
91	24.8	12.3	36.9





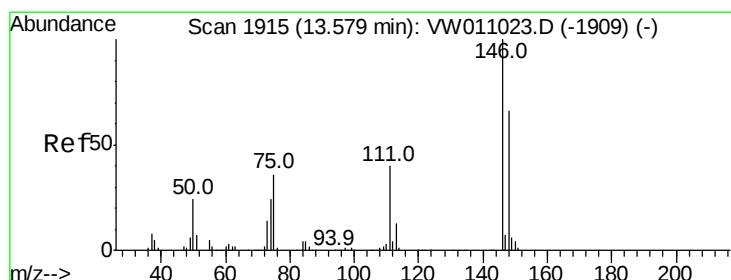
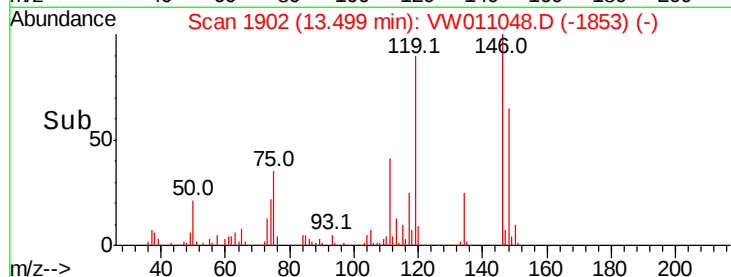
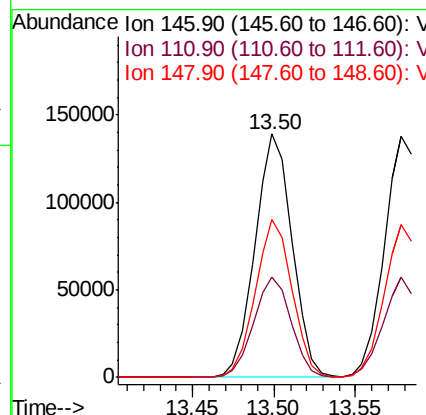
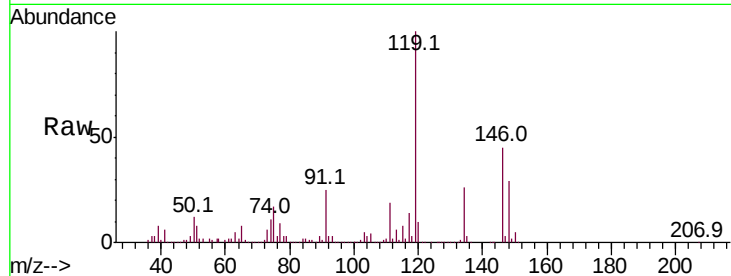
#87
 1,3-Dichlorobenzene
 Concen: 47.409 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011048.D
 Acq: 28 Jun 2019 06:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	220504		
111	41.7	20.9	62.8	
148	64.2	31.8	95.4	

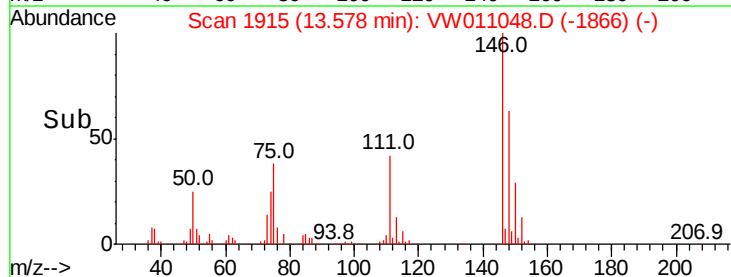
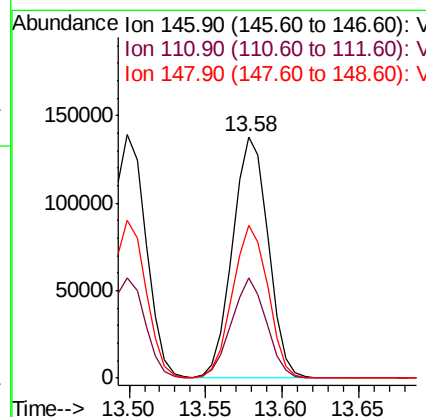
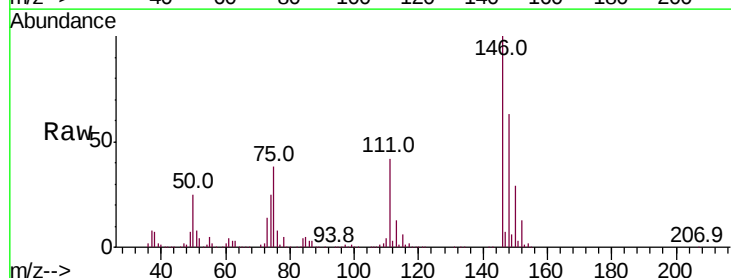
Manual Integrations
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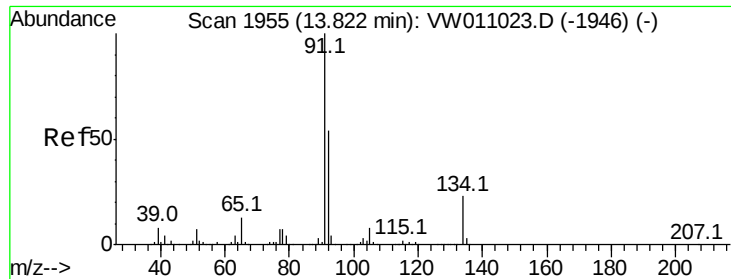
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#88
 1,4-Dichlorobenzene
 Concen: 48.016 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011048.D
 Acq: 28 Jun 2019 06:29

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	222935		
111	40.9	20.6	61.9	
148	63.1	32.4	97.2	





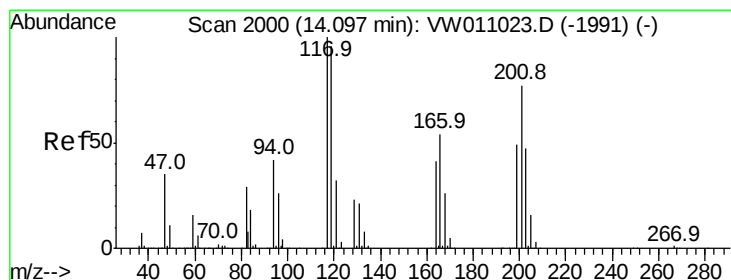
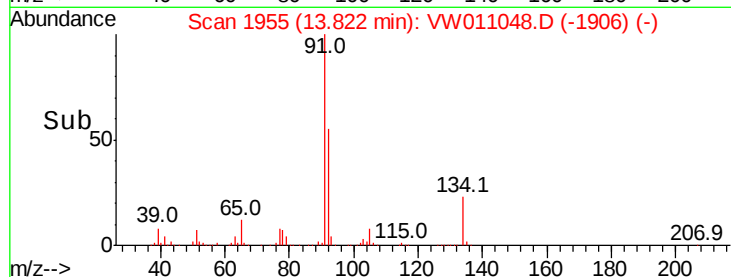
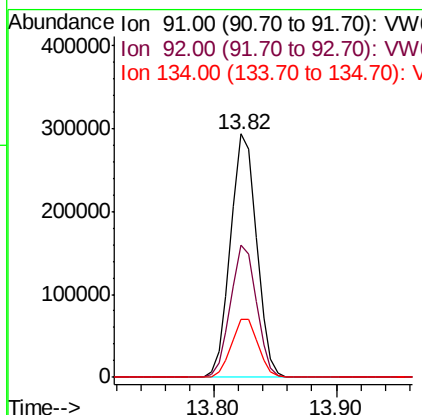
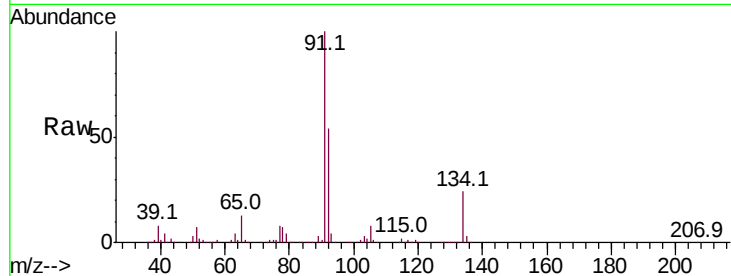
#89
n-Butylbenzene
Concen: 43.002 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.1	81.2
134	24.2	12.0	36.1

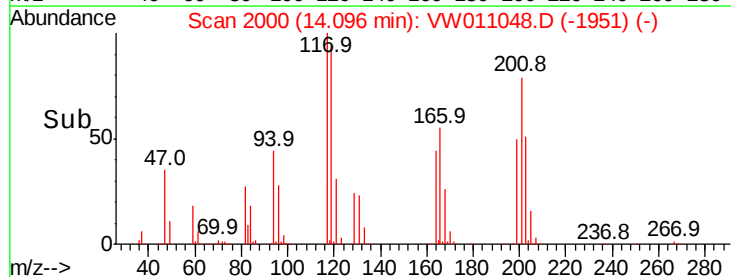
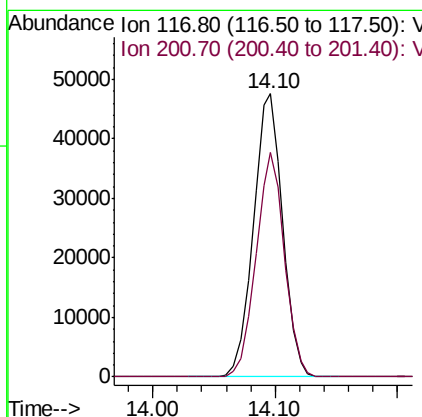
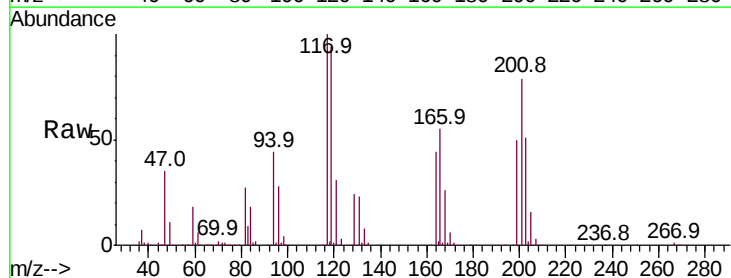
Manual Integrations
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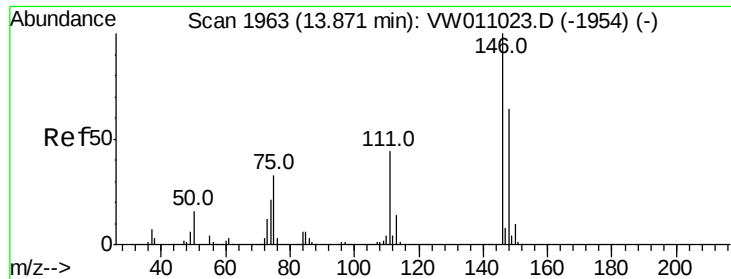
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#90
Hexachloroethane
Concen: 46.679 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW011048.D
Acq: 28 Jun 2019 06:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.1	38.0	114.0





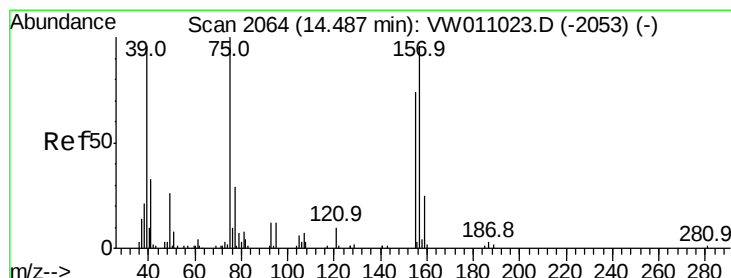
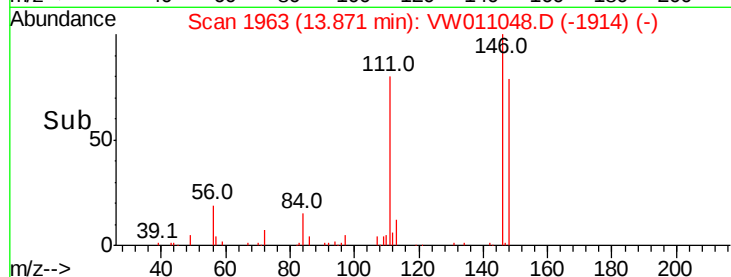
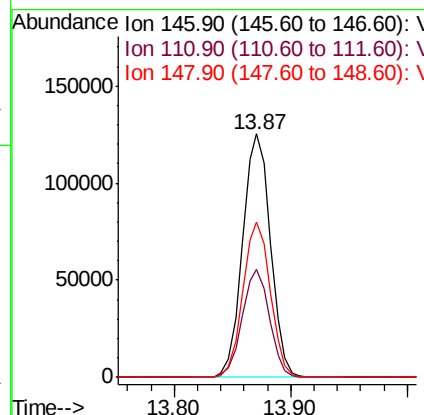
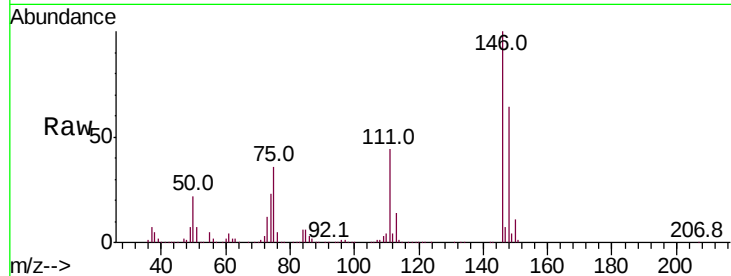
#91
 1,2-Dichlorobenzene
 Concen: 49.954 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011048.D
 Acq: 28 Jun 2019 06:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.4	64.3
148	62.9	31.8	95.3

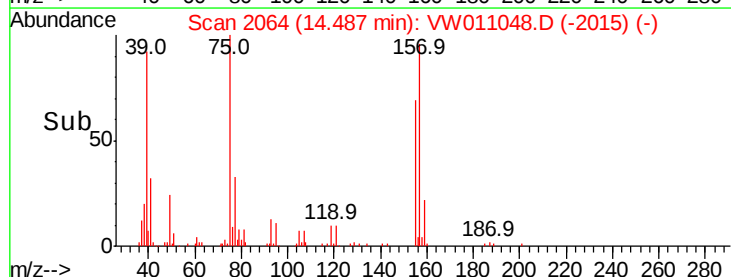
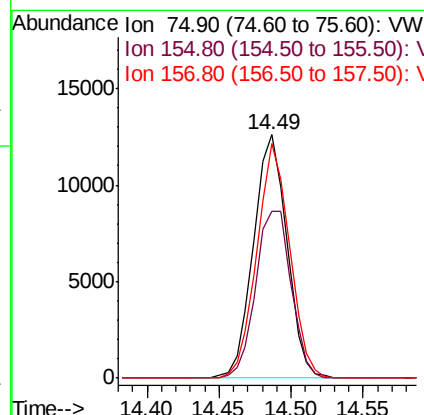
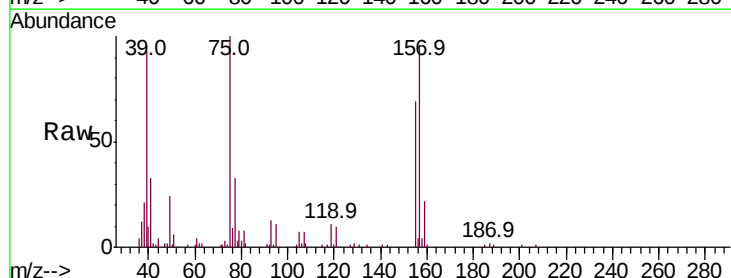
Manual Integrations
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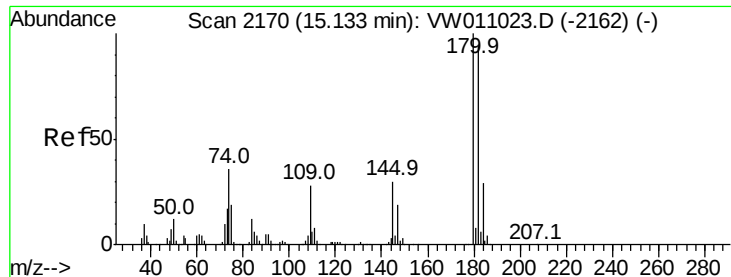
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.620 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011048.D
 Acq: 28 Jun 2019 06:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.1	37.0	110.9
157	94.4	45.9	137.7





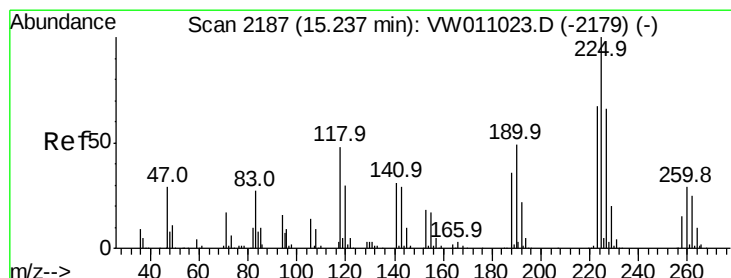
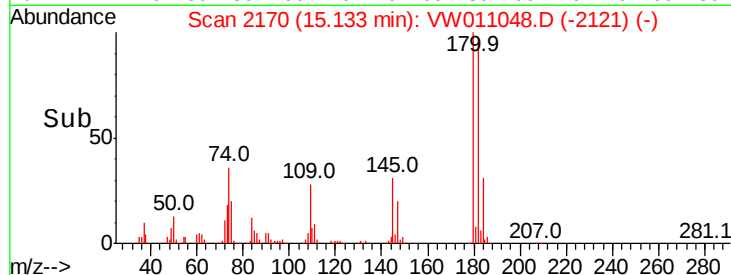
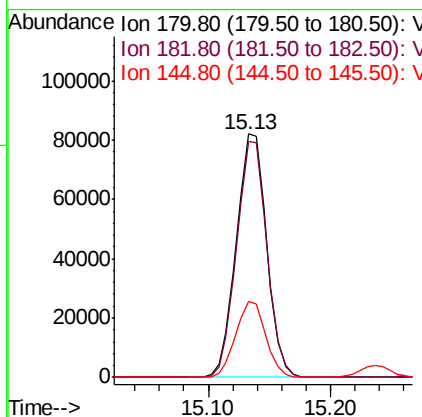
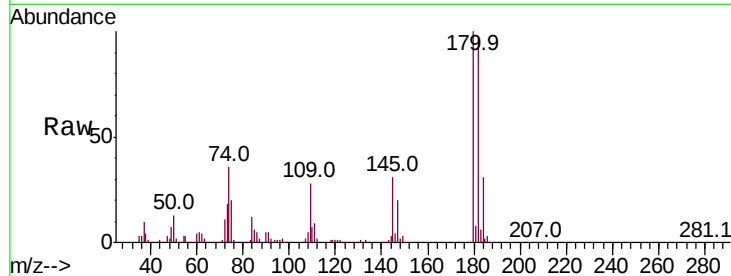
#93
 1,2,4-Trichlorobenzene
 Concen: 47.877 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011048.D
 Acq: 28 Jun 2019 06:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.7	47.4	142.2	
145	31.0	15.3	45.8	

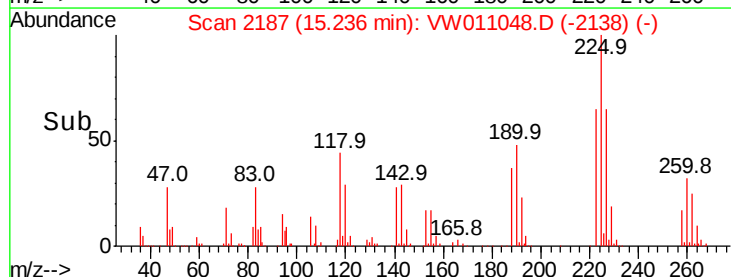
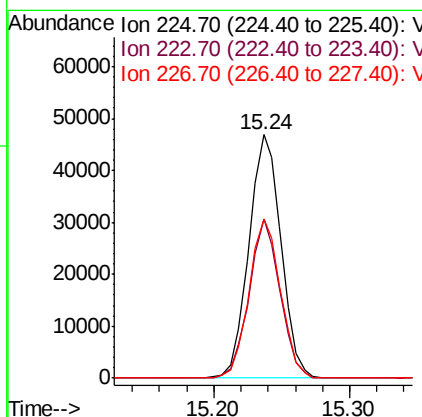
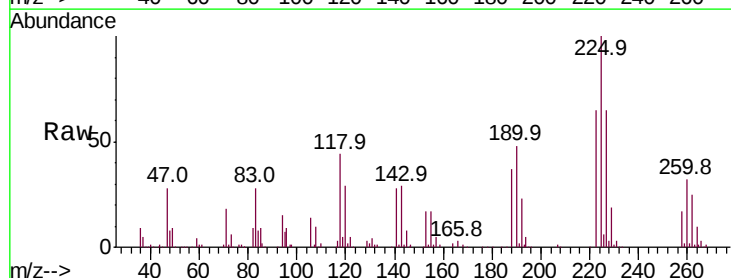
Manual Integrations
 APPROVED

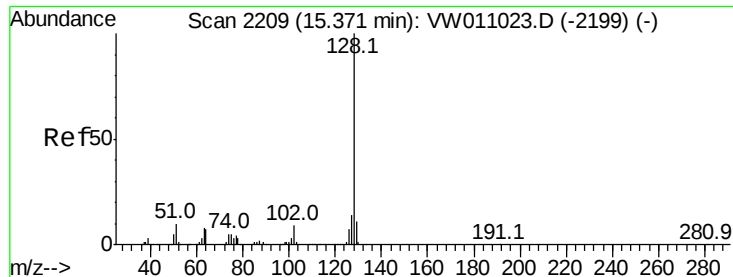
MMDadoda
 6/28/2019 10:27:04 AM



#94
 Hexachlorobutadiene
 Concen: 43.524 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011048.D
 Acq: 28 Jun 2019 06:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.6	31.9	95.9	
227	64.3	31.9	95.9	





#95

Naphthalene

Concen: 57.435 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW011048.D

Acq: 28 Jun 2019 06:29

Instrument :

MSVOA_W

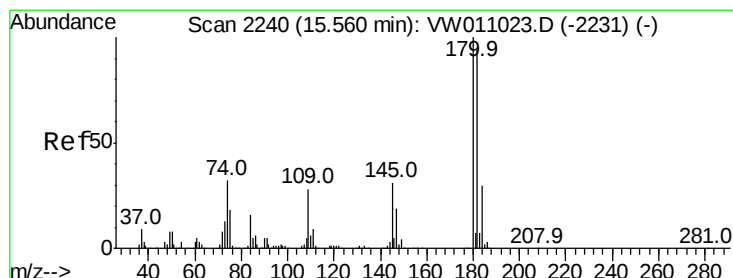
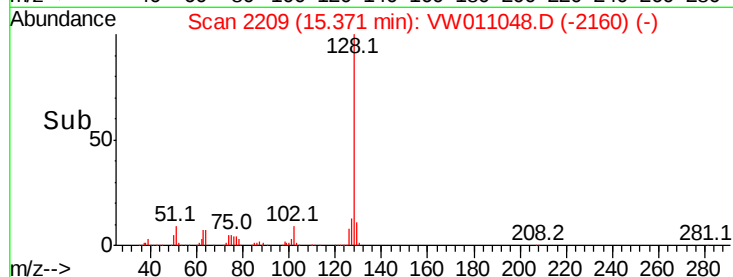
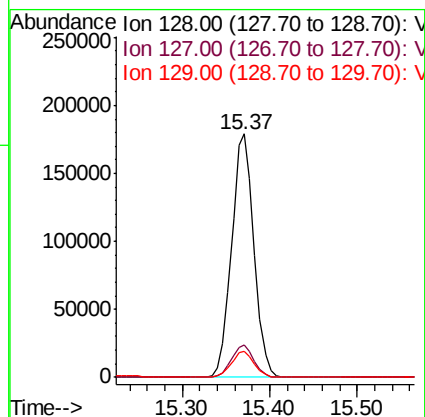
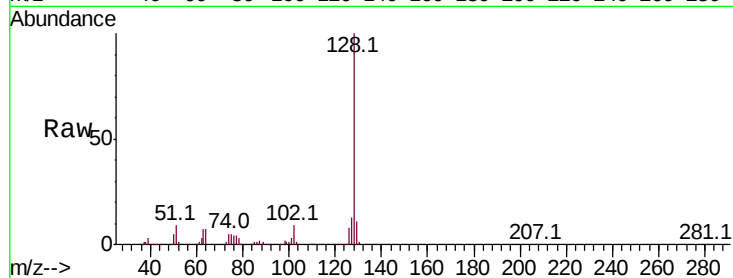
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	317093
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.7	16.1
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
6/28/2019 10:27:04 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.026 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011048.D

Acq: 28 Jun 2019 06:29

Tgt Ion:	180	Resp:	131291
Ion Ratio	Lower	Upper	
180	100		
182	97.5	47.9	143.7
145	32.3	16.1	48.2

