

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052119\
 Data File : VW010481.D
 Acq On : 21 May 2019 12:25
 Operator : SY/VA
 Sample : VW0521SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0521SBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/22/2019 11:55:09 AM

Quant Time: May 22 06:57:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	146196	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	258588	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	230797	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	108395	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	81290	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
35) Dibromofluoromethane	7.88	113	83861	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	
50) Toluene-d8	10.32	98	322290	53.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.54%	
62) 4-Bromofluorobenzene	12.62	95	123363	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	21747	16.510	ug/l	99
3) Chloromethane	2.21	50	26447	17.218	ug/l	99
4) Vinyl Chloride	2.36	62	29999	16.861	ug/l	100
5) Bromomethane	2.75	94	22508	18.389	ug/l	100
6) Chloroethane	2.90	64	20216	17.700	ug/l	97
7) Trichlorofluoromethane	3.25	101	52098	19.833	ug/l	95
8) Diethyl Ether	3.68	74	16727	20.088	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	33236	20.545	ug/l	100
10) Methyl Iodide	4.26	142	31439	17.003	ug/l	99
11) Tert butyl alcohol	5.18	59	11327	83.451	ug/l	97
12) 1,1-Dichloroethene	4.03	96	30788	19.938	ug/l	96
13) Acrolein	3.90	56	10500	121.271	ug/l	98
14) Allyl chloride	4.67	41	43827	19.607	ug/l	99
15) Acrylonitrile	5.37	53	32331	92.712	ug/l	100
16) Acetone	4.13	43	25689	83.401	ug/l	96
17) Carbon Disulfide	4.38	76	85912	18.652	ug/l	100
18) Methyl Acetate	4.67	43	14890	19.766	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	78732	19.999	ug/l	99
20) Methylene Chloride	4.92	84	32177	14.170	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	35399	19.985	ug/l	97
22) Diisopropyl ether	6.31	45	91052	19.866	ug/l	98
23) Vinyl Acetate	6.26	43	268665	98.132	ug/l	99
24) 1,1-Dichloroethane	6.21	63	56565	20.681	ug/l	99
25) 2-Butanone	7.17	43	41412	93.947	ug/l	97
26) 2,2-Dichloropropane	7.17	77	53328	20.469	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	39409	20.465	ug/l	99
28) Bromochloromethane	7.51	49	20775	21.215	ug/l	99
29) Tetrahydrofuran	7.53	42	27138	90.981	ug/l	99
30) Chloroform	7.68	83	61156	20.730	ug/l	99
31) Cyclohexane	7.95	56	55638	19.420	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	57484	20.386	ug/l	98
36) 1,1-Dichloropropene	8.08	75	47982	19.919	ug/l	99
37) Ethyl Acetate	7.26	43	18835	18.387	ug/l	98
38) Carbon Tetrachloride	8.07	117	51435	19.794	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	63894	19.798	ug/l	98
40) Benzene	8.32	78	134992	20.162	ug/l	99
41) Methacrylonitrile	7.48	41	12033	19.770	ug/l	93
42) 1,2-Dichloroethane	8.40	62	38388	20.061	ug/l	99
43) Isopropyl Acetate	8.43	43	38431	18.779	ug/l	99
44) Trichloroethene	9.09	130	39731	19.988	ug/l	99
45) 1,2-Dichloropropane	9.37	63	32212	20.257	ug/l	97
46) Dibromomethane	9.46	93	18467	19.858	ug/l	98
47) Bromodichloromethane	9.65	83	47005	20.114	ug/l	99
48) Methyl methacrylate	9.44	41	18317	19.565	ug/l	95
49) 1,4-Dioxane	9.45	88	4964	326.769	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	95181	91.786	ug/l	100
52) Toluene	10.39	92	91273	20.299	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	46083	19.471	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	54113	20.020	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	26895	20.112	ug/l	92
56) Ethyl methacrylate	10.65	69	34799	18.868	ug/l	99
57) 1,3-Dichloropropane	10.93	76	44799	19.999	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	81741	100.063	ug/l	99
59) 2-Hexanone	10.97	43	65397	88.406	ug/l	99
60) Dibromochloromethane	11.13	129	32604	19.265	ug/l	99
61) 1,2-Dibromoethane	11.24	107	26621	19.652	ug/l	99
64) Tetrachloroethene	10.86	164	31718	19.714	ug/l	99
65) Chlorobenzene	11.66	112	98653	20.056	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	35664	20.240	ug/l	99
67) Ethyl Benzene	11.73	91	174075	20.045	ug/l	100
68) m/p-Xylenes	11.84	106	136455	40.060	ug/l	100
69) o-Xylene	12.16	106	65240	20.215	ug/l	100
70) Styrene	12.18	104	110445	20.170	ug/l	100
71) Bromoform	12.35	173	17624	18.163	ug/l #	100
73) Isopropylbenzene	12.46	105	175060	20.352	ug/l	100
74) N-amyl acetate	12.27	43	35360	17.939	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	29988	19.168	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	21008m	19.093	ug/l	
77) Bromobenzene	12.75	156	39129	20.328	ug/l	98
78) n-propylbenzene	12.80	91	202639	20.215	ug/l	100
79) 2-Chlorotoluene	12.89	91	117941	20.289	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	148142	20.335	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	9546	18.107	ug/l	96
82) 4-Chlorotoluene	12.99	91	122879	20.365	ug/l	99
83) tert-Butylbenzene	13.21	119	128331	20.167	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	146224	20.153	ug/l	100
85) sec-Butylbenzene	13.38	105	176430	19.812	ug/l	99
86) p-Isopropyltoluene	13.50	119	159263	19.759	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	75424	19.972	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	75134	19.830	ug/l	98
89) n-Butylbenzene	13.83	91	150418	19.619	ug/l	100
90) Hexachloroethane	14.10	117	31040	19.895	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	68569	19.927	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4953	17.026	ug/l	98

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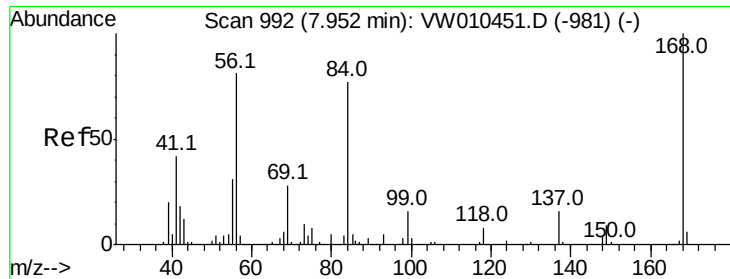
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	42830	18.294	ug/l	97
94) Hexachlorobutadiene	15.24	225	23215	18.561	ug/l	100
95) Naphthalene	15.37	128	87785	17.863	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	37282	18.507	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. -0.01 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

ClientSampleId :

VW0521SBS01

Tot Ion:168 Resp: 146196

Ion Ratio Lower Upper

168 100

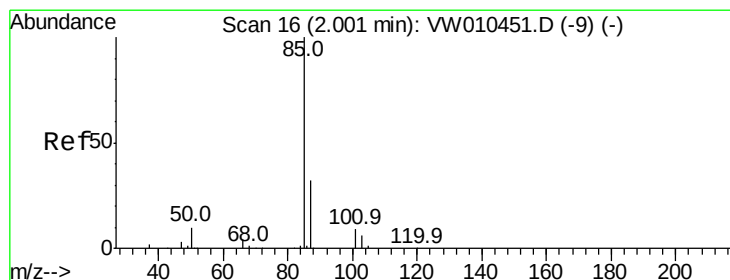
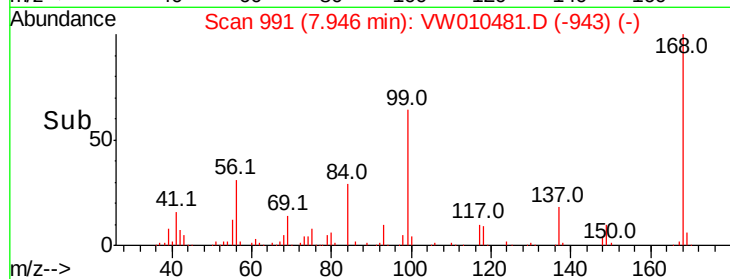
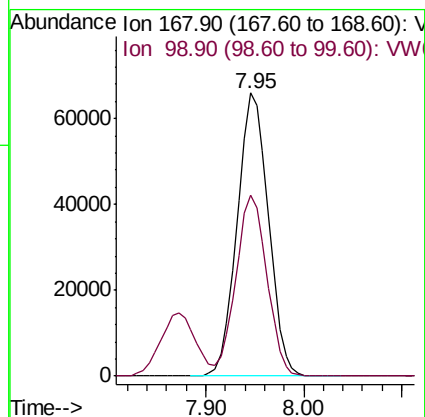
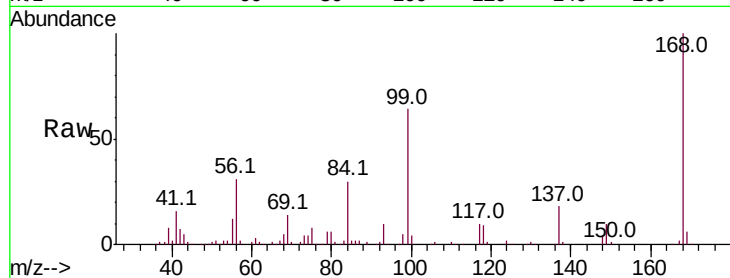
99 64.1 46.1 69.1

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#2

Dichlorodifluoromethane

Concen: 16.510 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010481.D

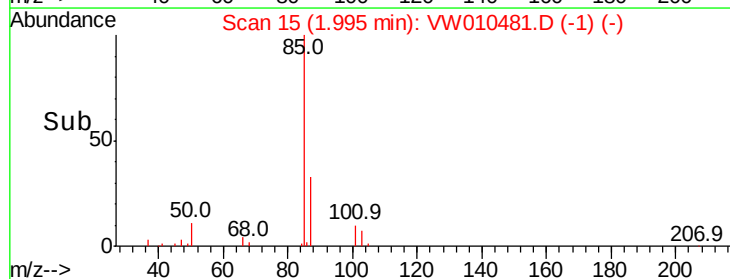
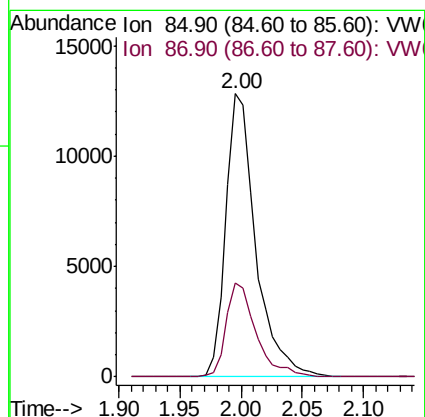
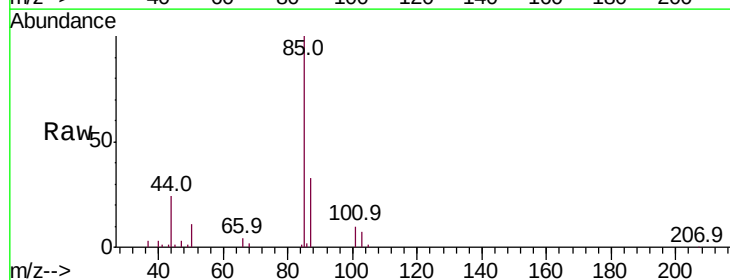
Acq: 21 May 2019 12:25

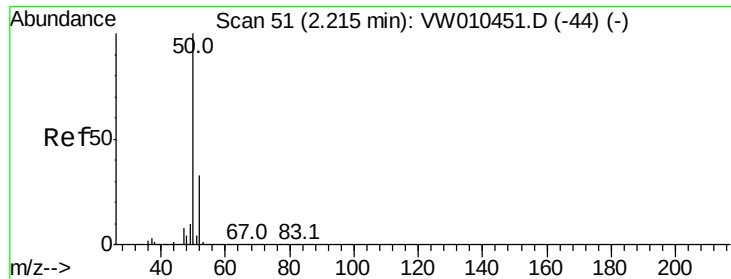
Tgt Ion: 85 Resp: 21747

Ion Ratio Lower Upper

85 100

87 33.3 16.3 48.8





#3

Chloromethane

Concen: 17.218 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

ClientSampleId :

VW0521SBS01

Tot Ion: 50 Resp: 26447

Ion Ratio Lower Upper

50 100

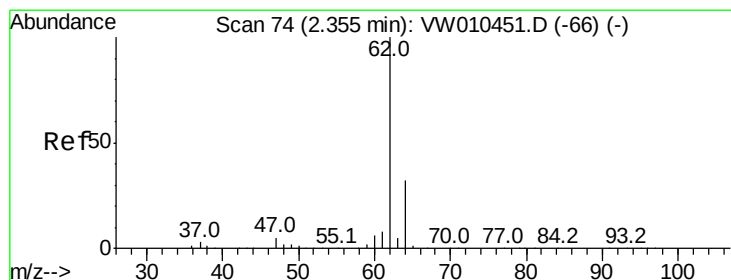
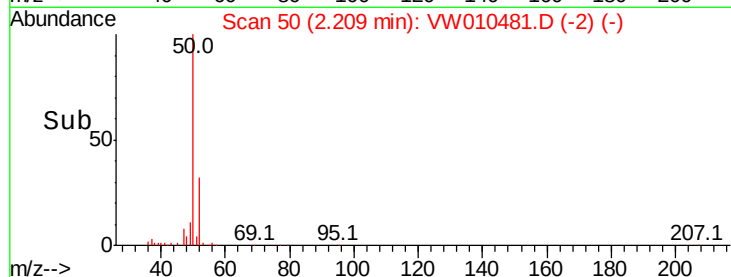
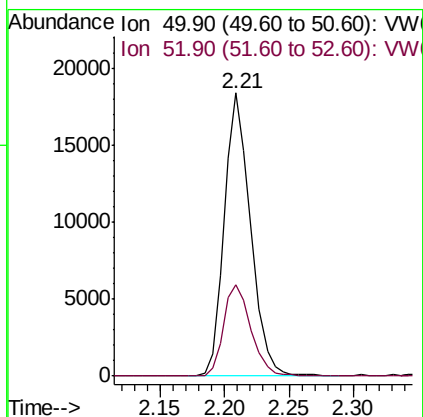
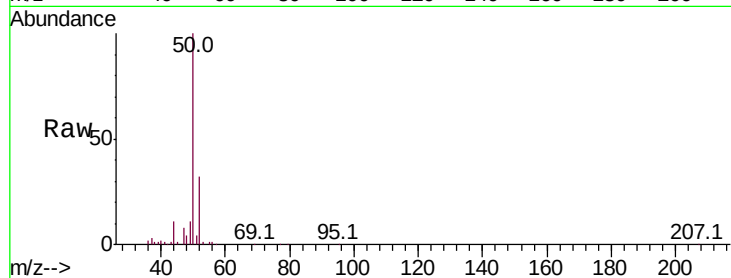
52 32.3 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.861 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW010481.D

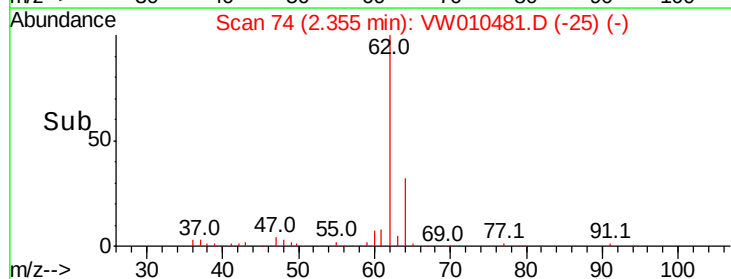
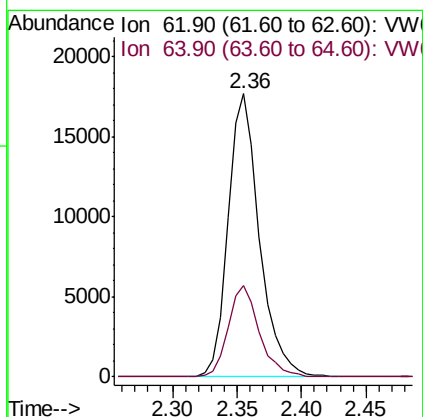
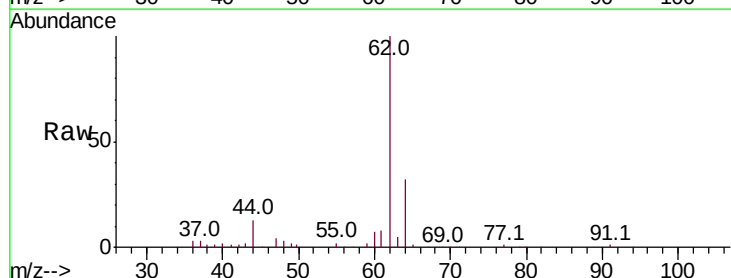
Acq: 21 May 2019 12:25

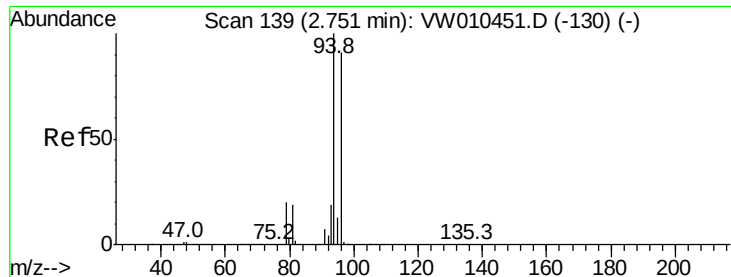
Tgt Ion: 62 Resp: 29999

Ion Ratio Lower Upper

62 100

64 32.2 25.8 38.8





#5

Bromomethane

Concen: 18.389 ug/l

RT: 2.75 min Scan# 139

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

ClientSampleId :

VW0521SBSD01

Tot Ion: 94 Resp: 22508

Ion Ratio Lower Upper

94 100

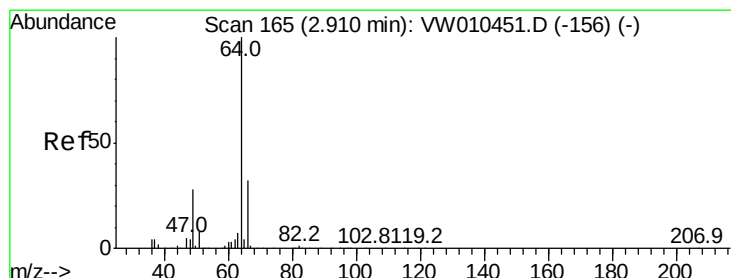
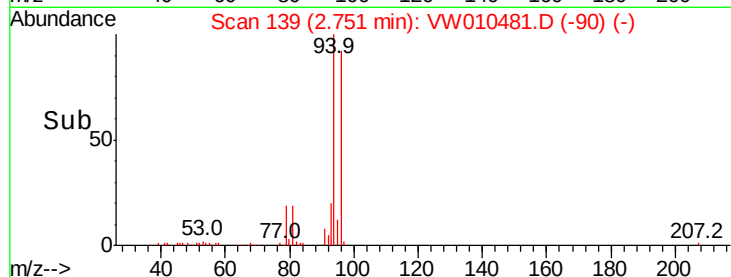
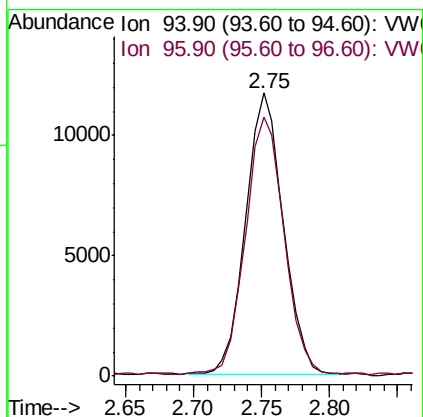
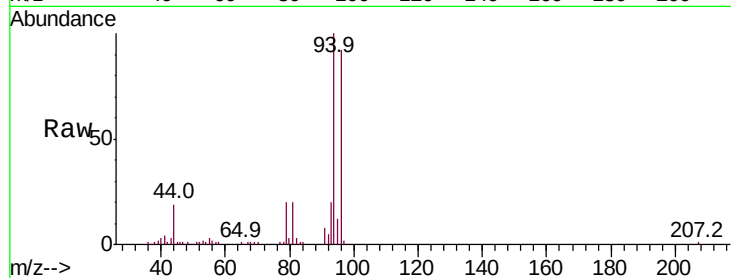
96 91.4 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 17.700 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW010481.D

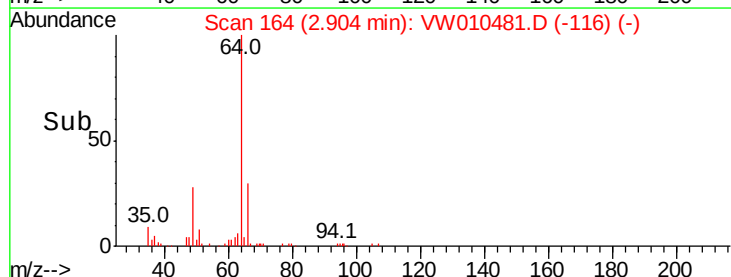
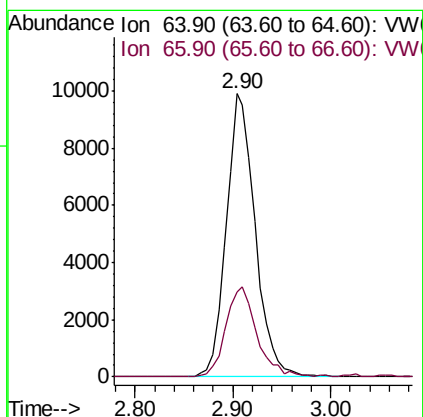
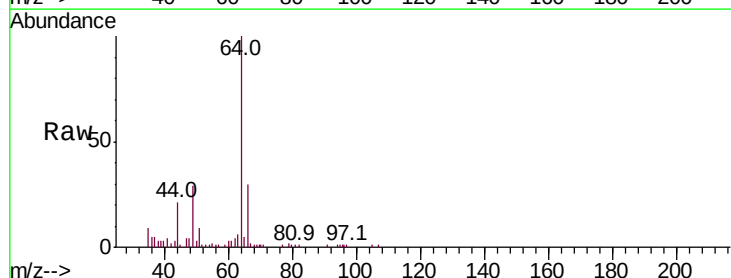
Acq: 21 May 2019 12:25

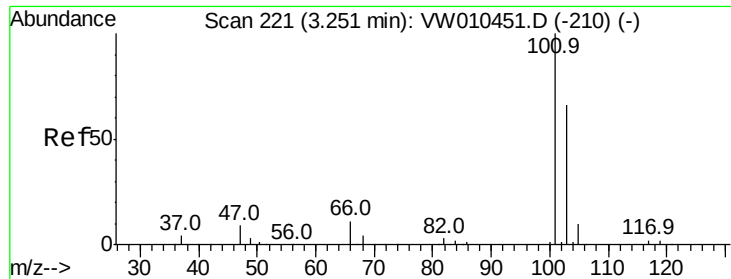
Tgt Ion: 64 Resp: 20216

Ion Ratio Lower Upper

64 100

66 30.1 25.5 38.3





#7

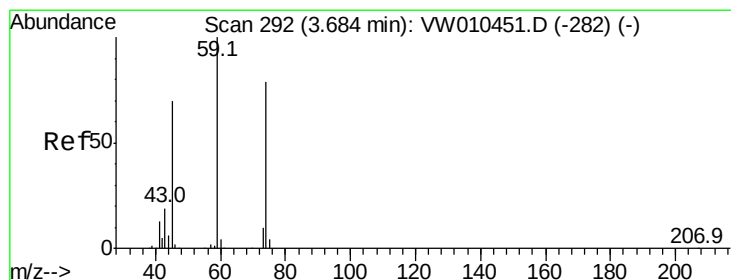
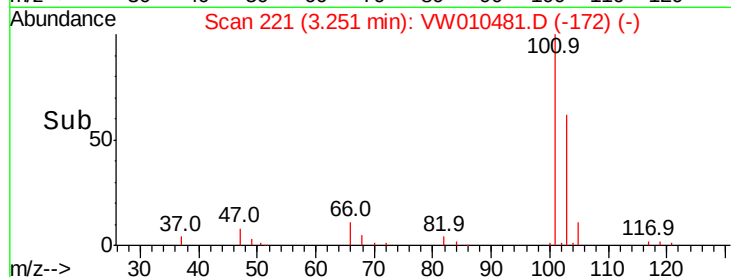
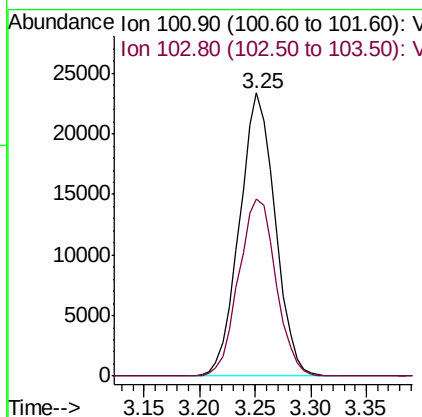
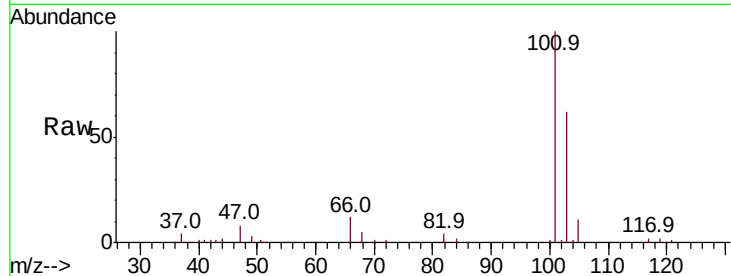
Trichlorofluoromethane
 Concen: 19.833 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

Instrument :
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 ClientSampleId :
 VW0521SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	53.0	79.4

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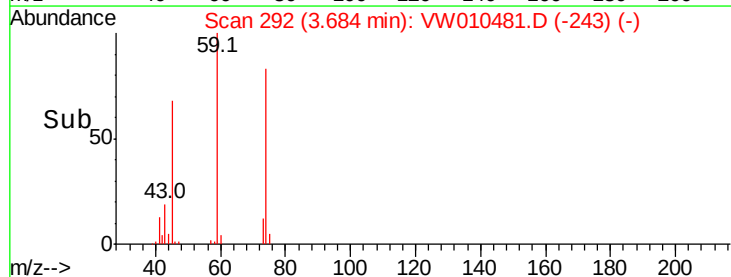
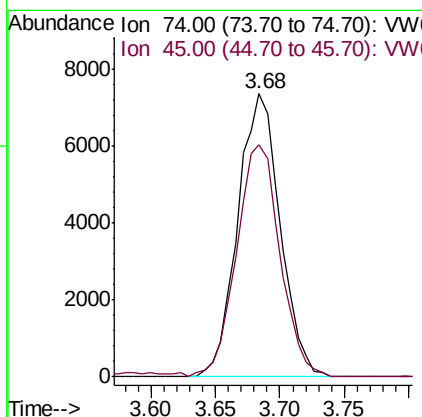
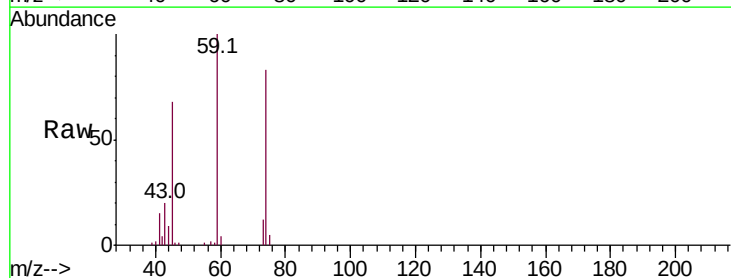
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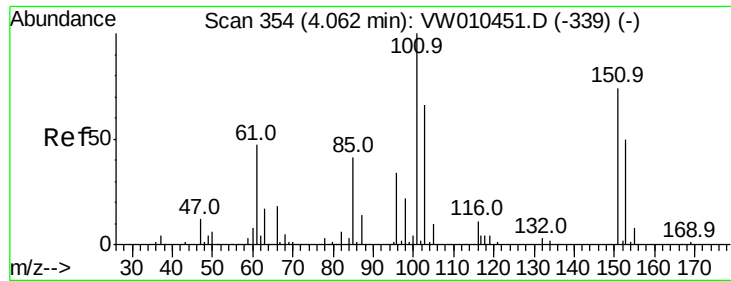


#8

Diethyl Ether
 Concen: 20.088 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	84.3	42.9	128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.545 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

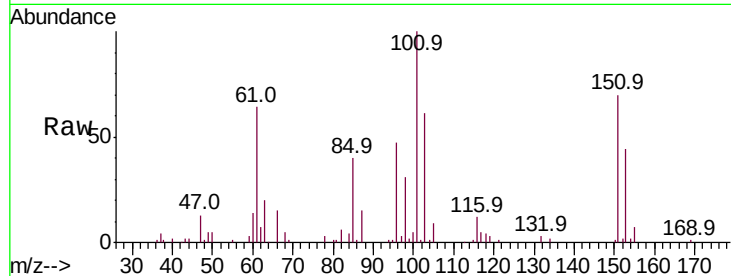
ClientSampled :

VW0521SBS01

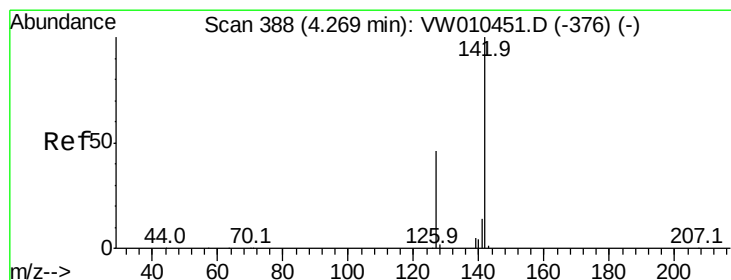
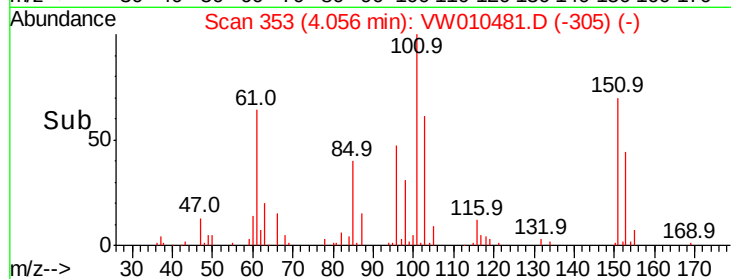
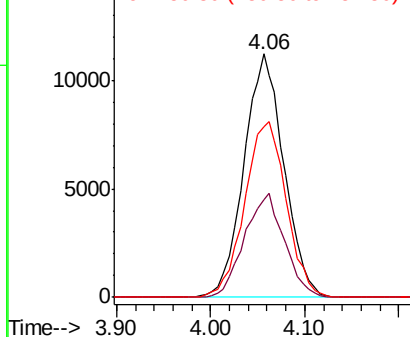
Tot Ion:	101	Resp:	33236
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.3	51.5
151	75.1	60.3	90.5

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Abundance Ion 100.90 (100.60 to 101.60): V
15000 Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.003 ug/l

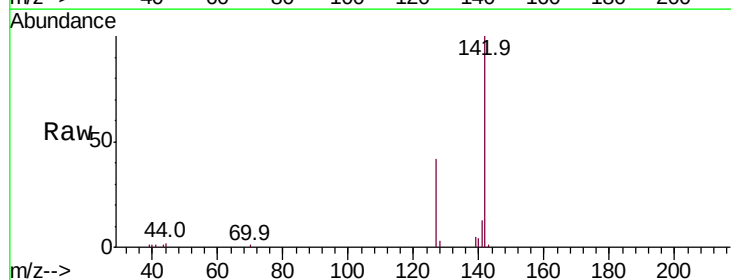
RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

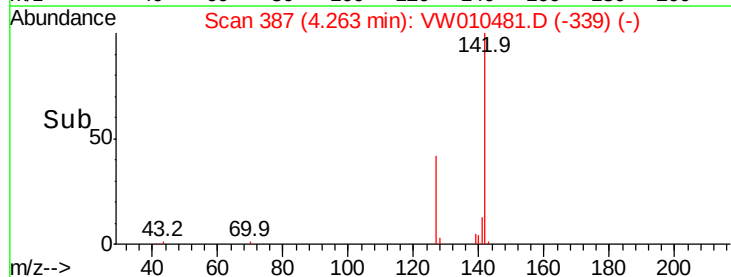
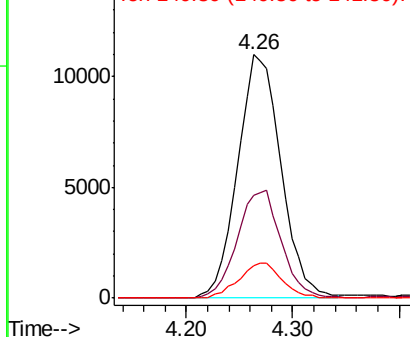
Lab File: VW010481.D

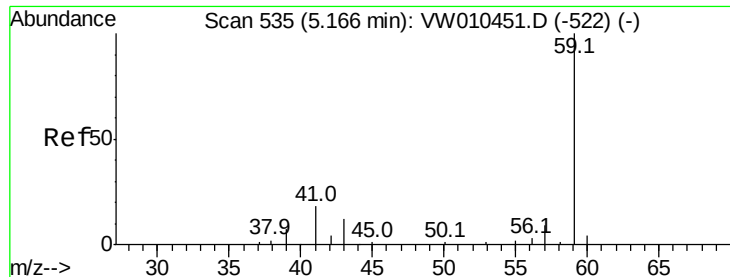
Acq: 21 May 2019 12:25

Tgt Ion:	142	Resp:	31439
Ion Ratio	Lower	Upper	
142	100		
127	44.6	36.1	54.1
141	14.2	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
15000 Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





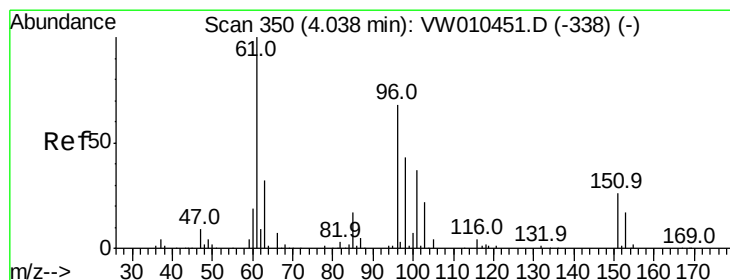
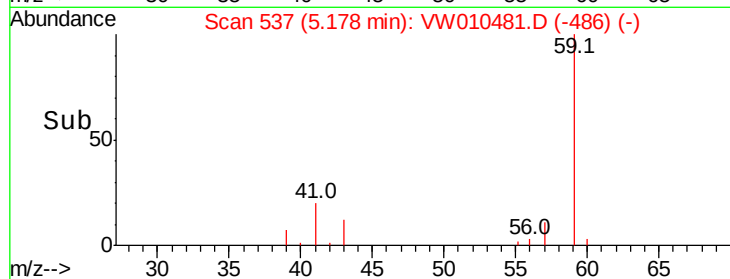
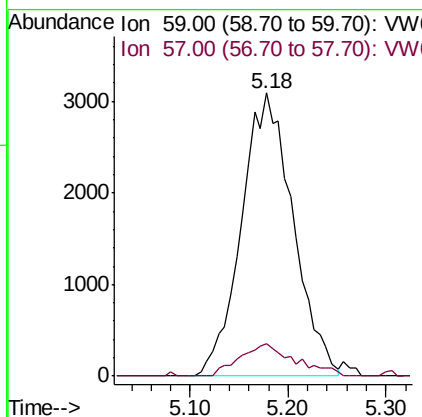
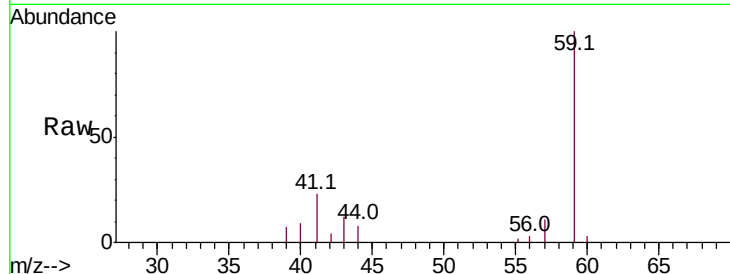
#11
Tert butyl alcohol
Concen: 83.451 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Instrument :
MSVOA_W
ClientSampled :
VW0521SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.2	8.8	13.2

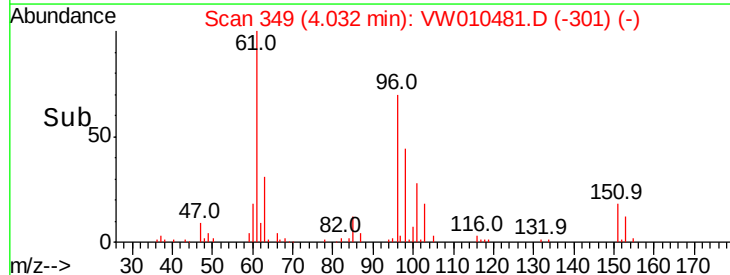
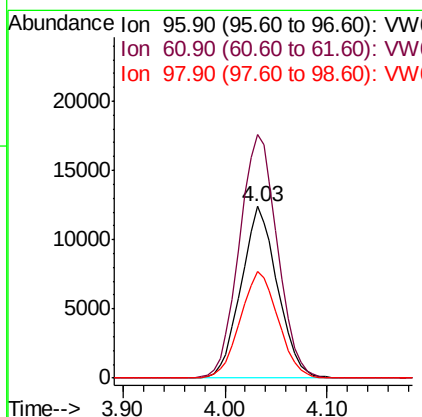
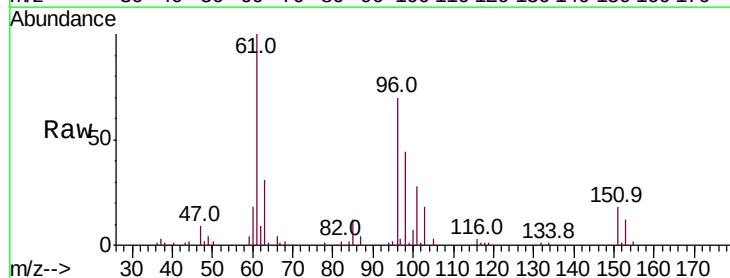
Manual Integrations
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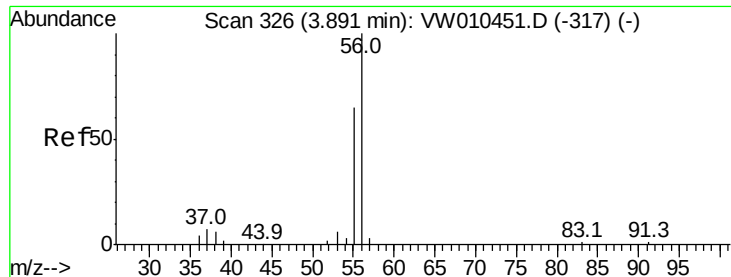
MMDadoda
5/22/2019 11:55:09 AM



#12
1,1-Dichloroethene
Concen: 19.938 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.1	118.3	177.5
98	62.4	51.0	76.6





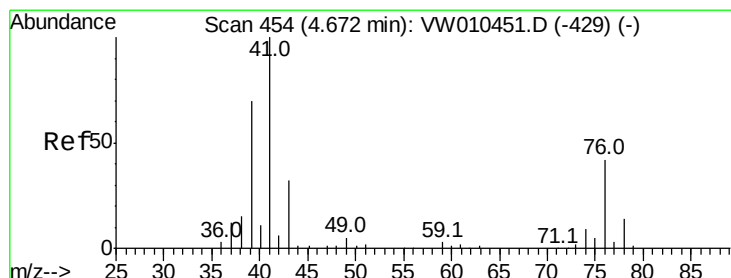
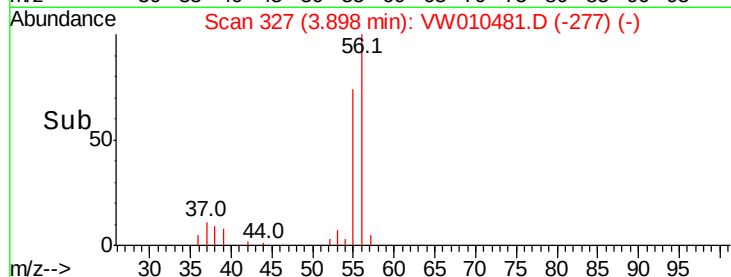
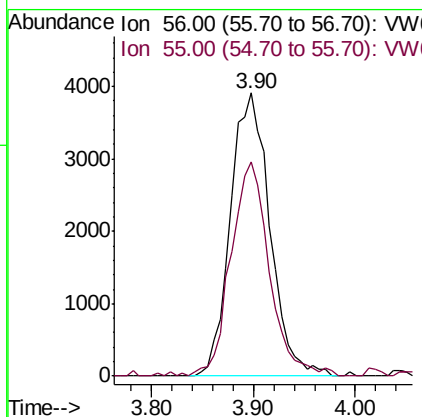
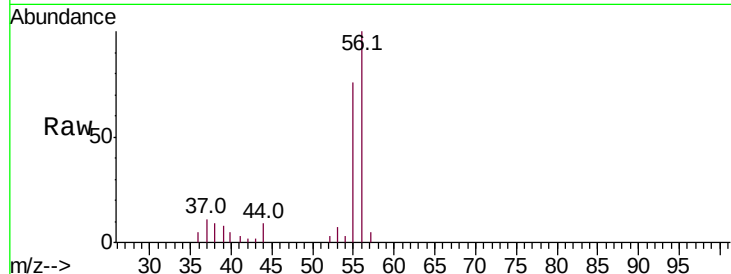
#13
 Acrolein
 Concen: 121.271 ug/l
 RT: 3.90 min Scan# 327
 Delta R.T. 0.01 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0521SBS01

Tot Ion	56	Resp	10500
Ion Ratio	56	100	
Lower	55	73.9	57.9
Upper			86.9

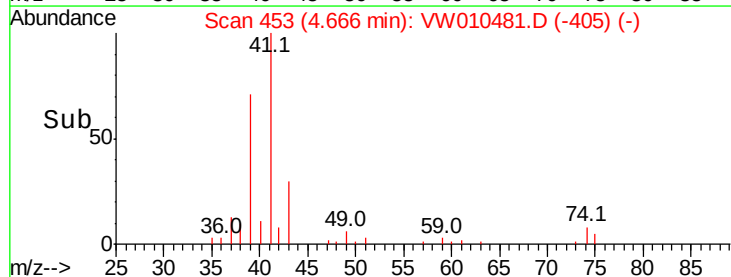
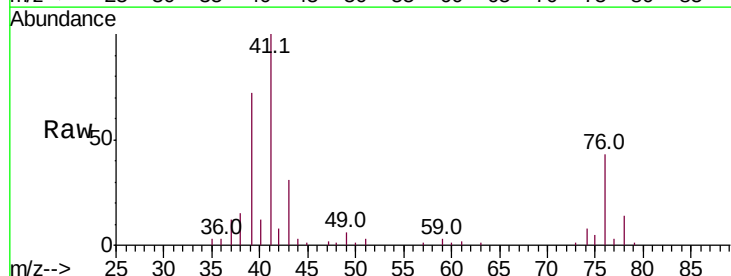
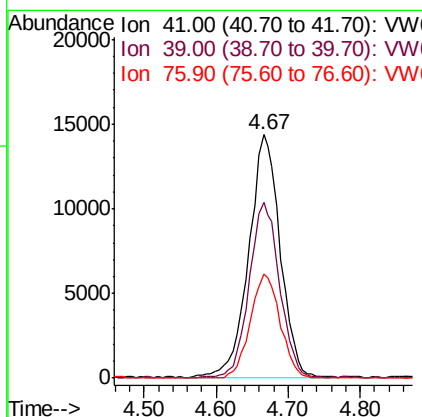
Manual Integrations
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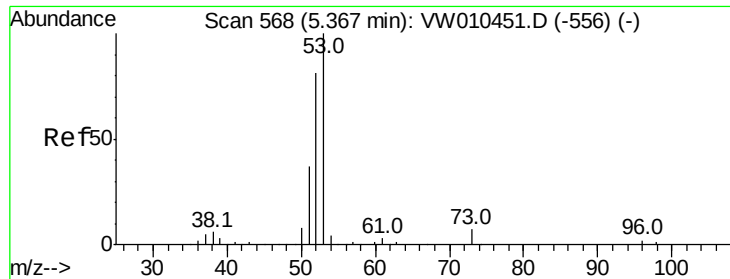
MMDadoda
 5/22/2019 11:55:09 AM



#14
 Allyl chloride
 Concen: 19.607 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

Tgt Ion	41	Resp	43827
Ion Ratio	41	100	
Lower	39	69.7	55.0
Upper			82.4
	76	40.4	32.8
			49.2





#15

Acrylonitrile

Concen: 92.712 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

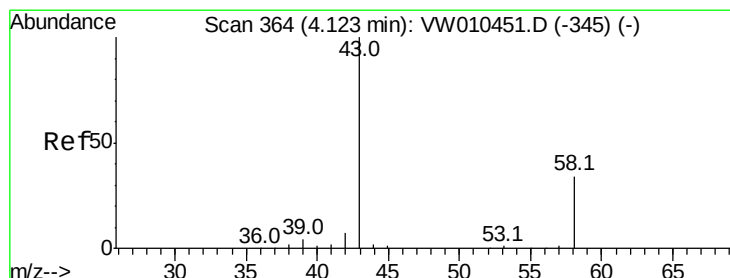
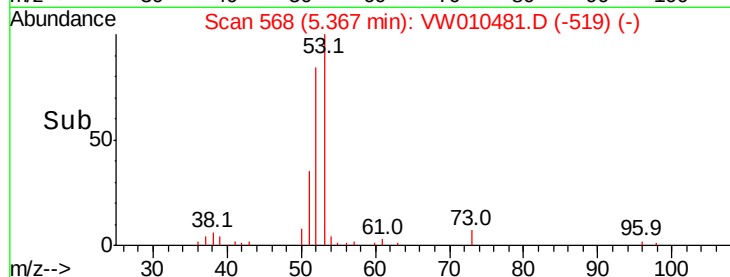
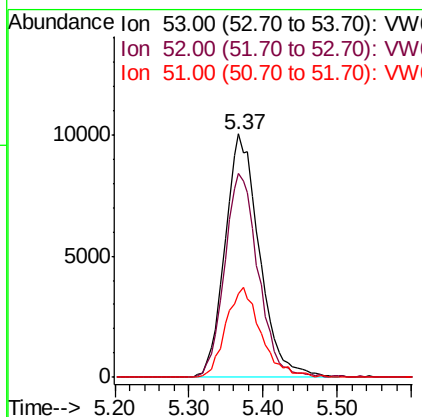
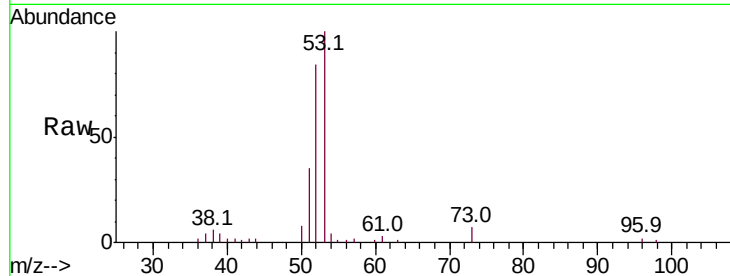
ClientSampleId :

VW0521SBSD01

Tot Ion:	53	Resp:	32331
Ion Ratio	Lower	Upper	
53	100		
52	81.9	65.6	98.4
51	37.6	29.5	44.3

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#16

Acetone

Concen: 83.401 ug/l

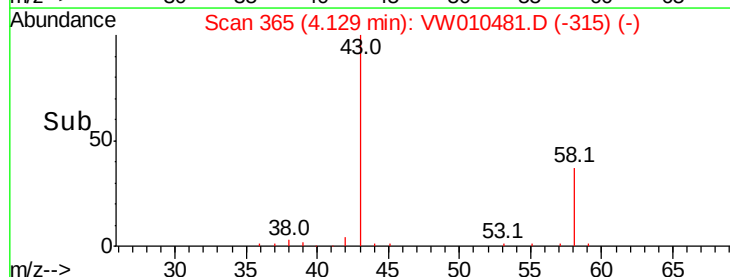
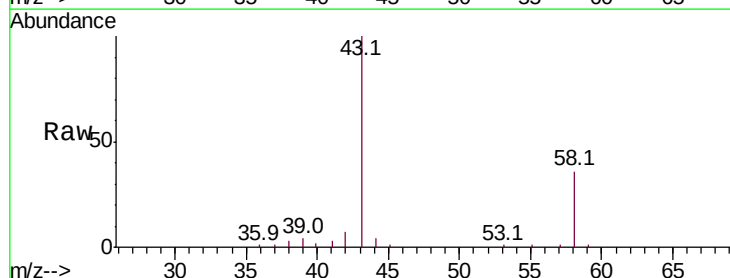
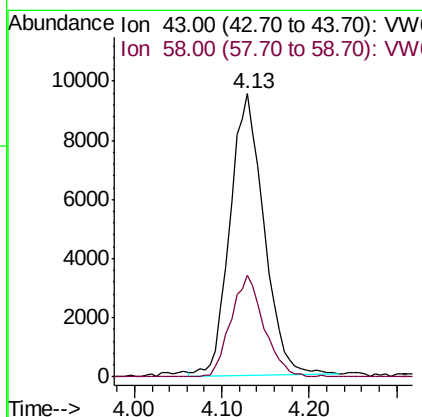
RT: 4.13 min Scan# 365

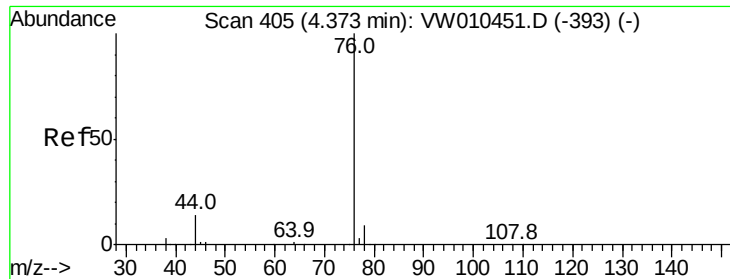
Delta R.T. 0.01 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Tgt Ion:	43	Resp:	25689
Ion Ratio	Lower	Upper	
43	100		
58	36.2	27.0	40.4





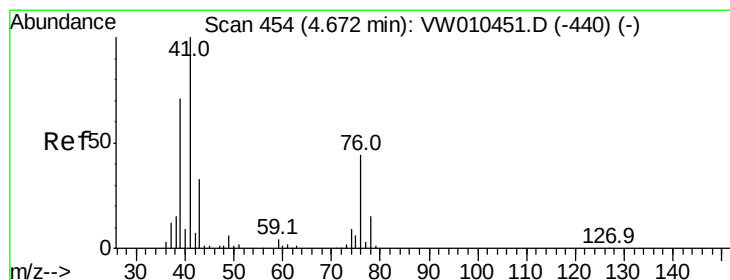
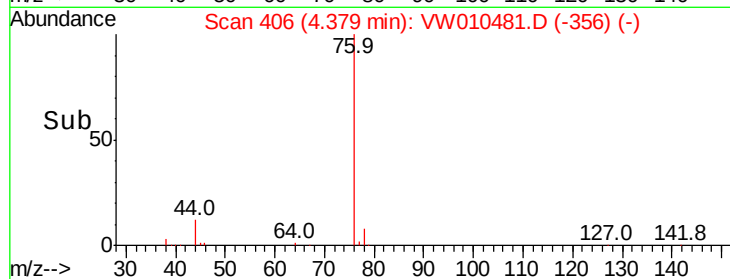
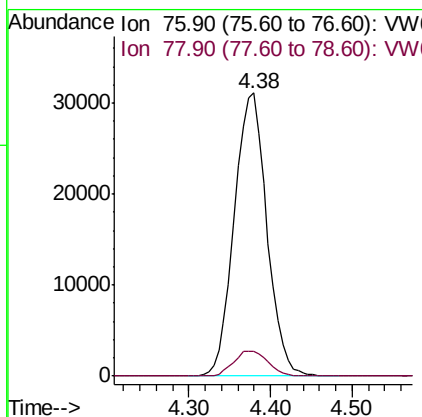
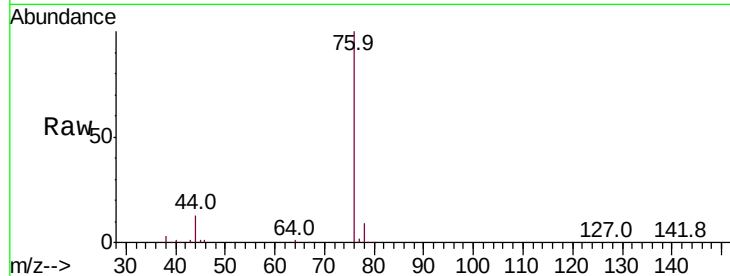
#17
Carbon Disulfide
Concen: 18.652 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Instrument :
MSVOA_W
ClientSampled :
VW0521SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7

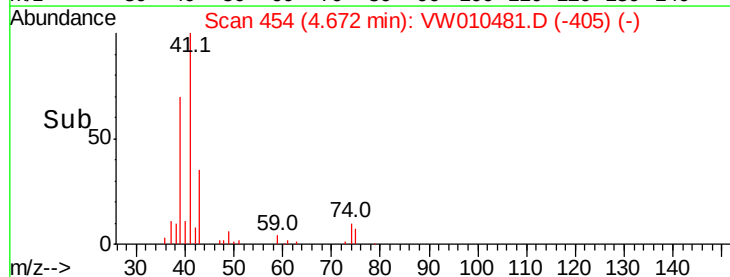
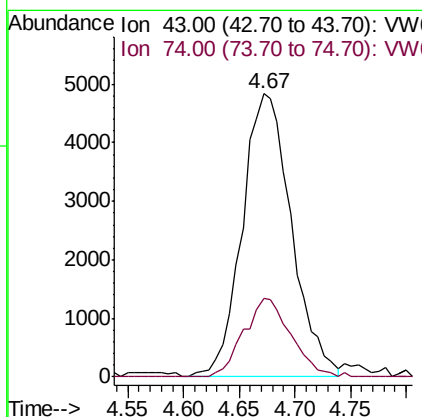
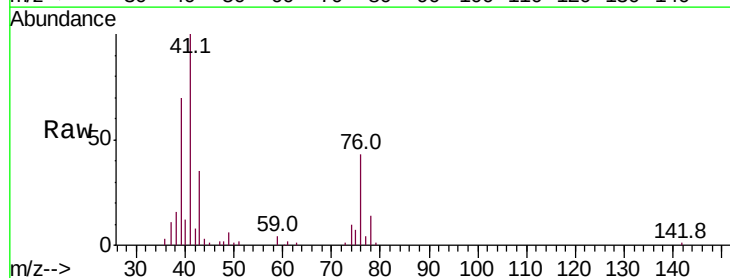
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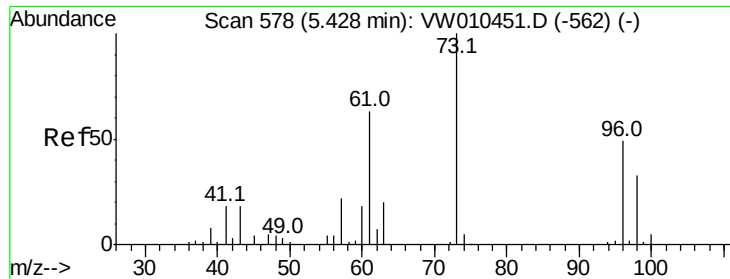
MMDadoda
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#18
Methyl Acetate
Concen: 19.766 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.5	21.6	32.4





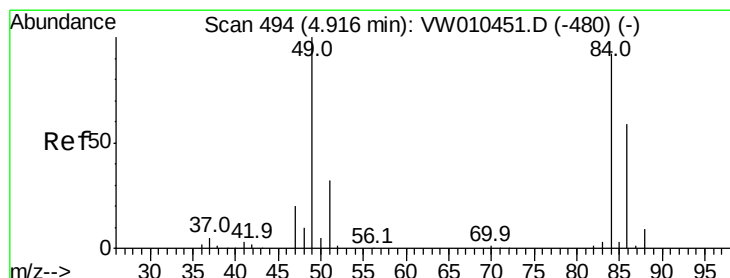
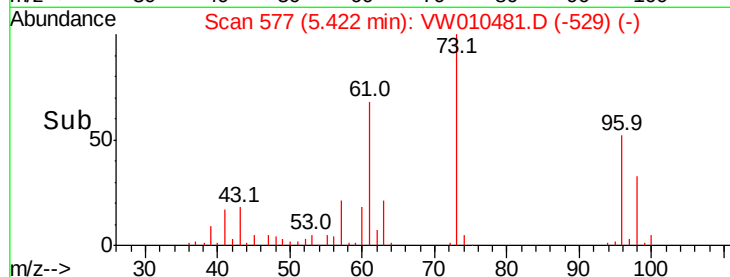
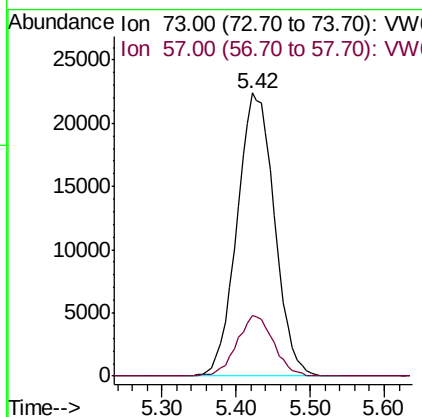
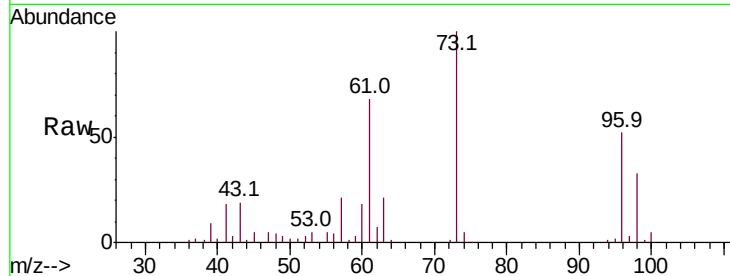
#19
Methyl tert-butyl Ether
Concen: 19.999 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.4	26.0

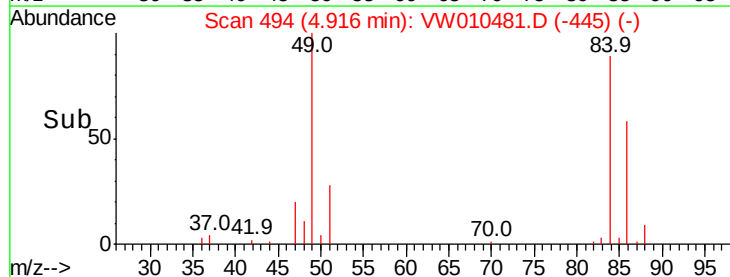
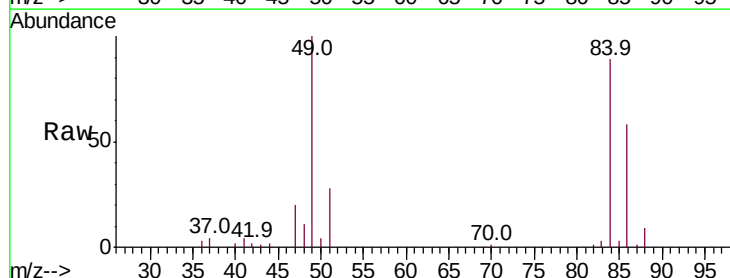
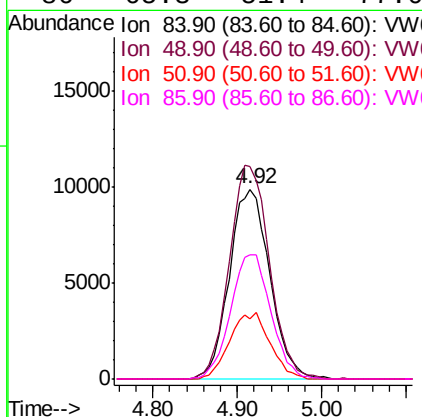
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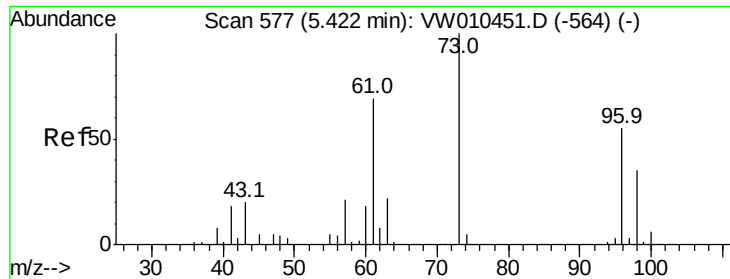
MMDadoda
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#20
Methylene Chloride
Concen: 14.170 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.4	87.2	130.8
51	31.5	27.7	41.5
86	65.3	51.4	77.0





#21

trans-1,2-Dichloroethene

Concen: 19.985 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

ClientSampleId :

VW0521SBSD01

Tot Ion: 96 Resp: 35399

Ion Ratio Lower Upper

96 100

61 126.2 101.4 152.0

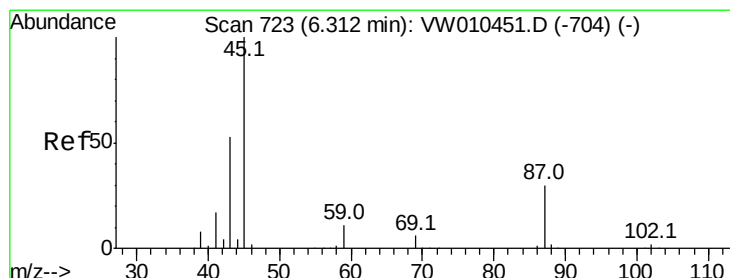
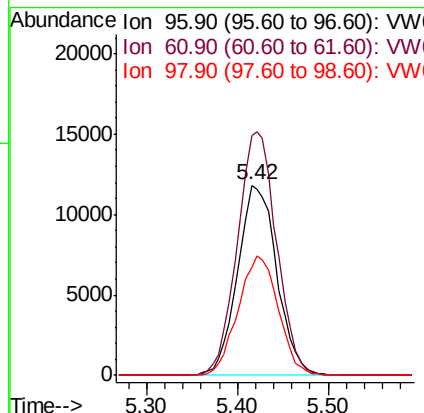
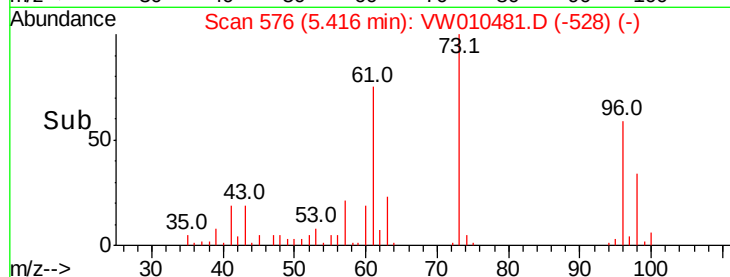
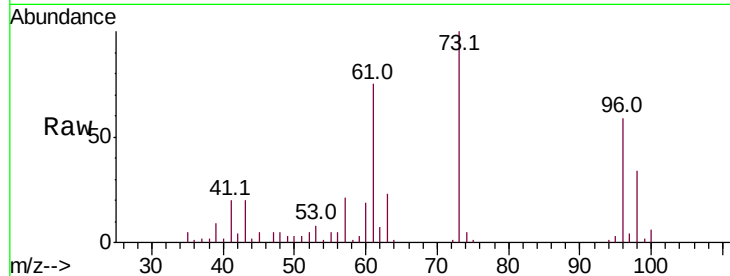
98 57.0 50.6 76.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 19.866 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Tgt Ion: 45 Resp: 91052

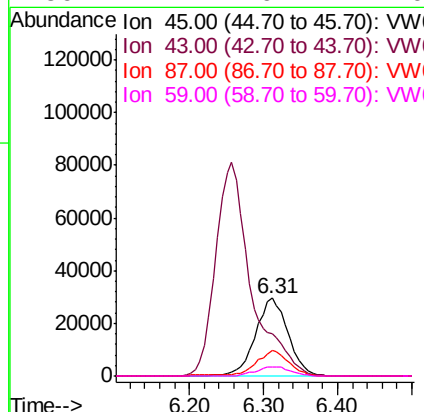
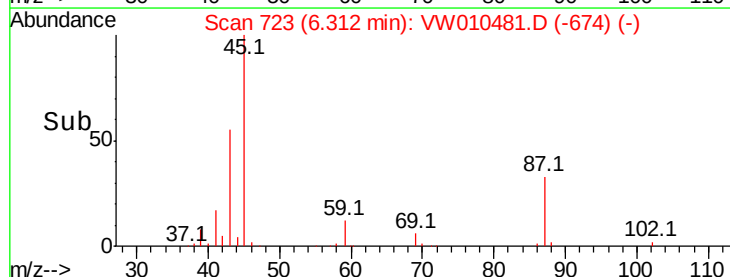
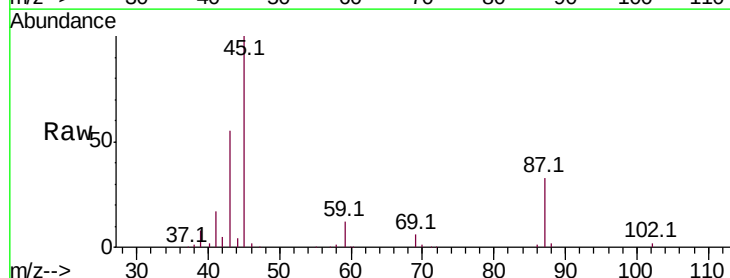
Ion Ratio Lower Upper

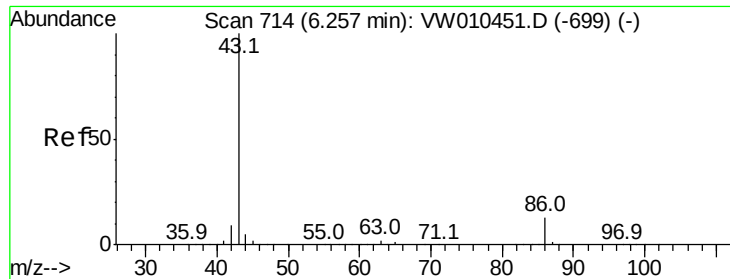
45 100

43 54.3 42.9 64.3

87 32.8 24.6 36.8

59 11.7 9.4 14.0





#23

Vinyl Acetate

Concen: 98.132 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

ClientSampleId :

VW0521SBS01

Tot Ion: 43 Resp: 268665

Ion Ratio Lower Upper

43 100

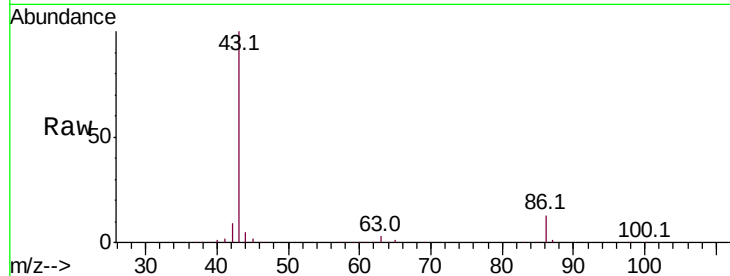
86 13.3 10.3 15.5

Manual Integrations

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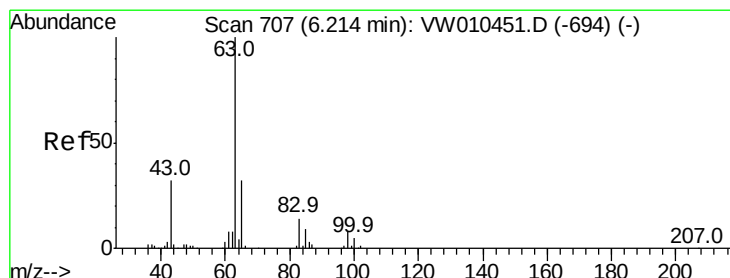
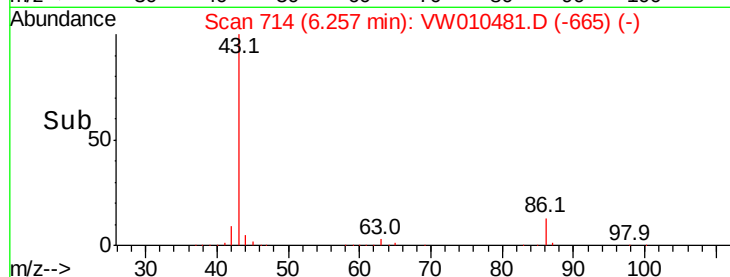
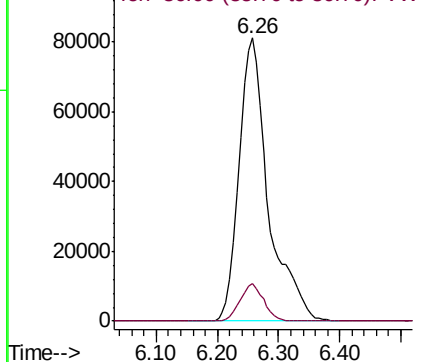
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.681 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

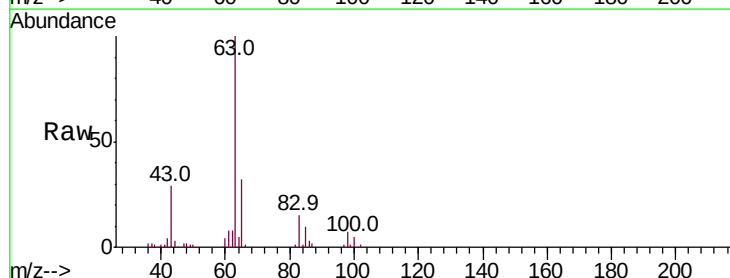
Tgt Ion: 63 Resp: 56565

Ion Ratio Lower Upper

63 100

98 7.3 3.8 11.2

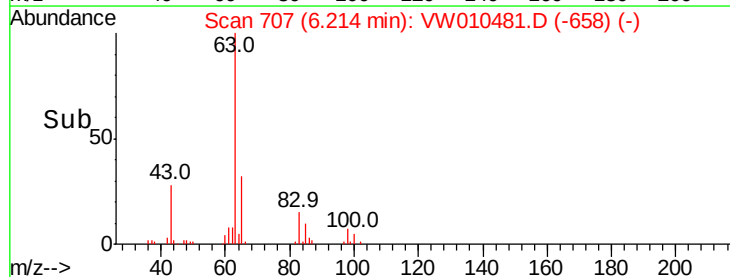
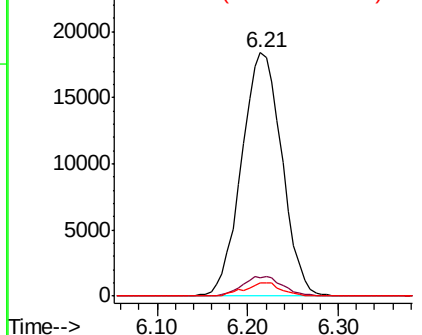
100 5.2 2.5 7.4

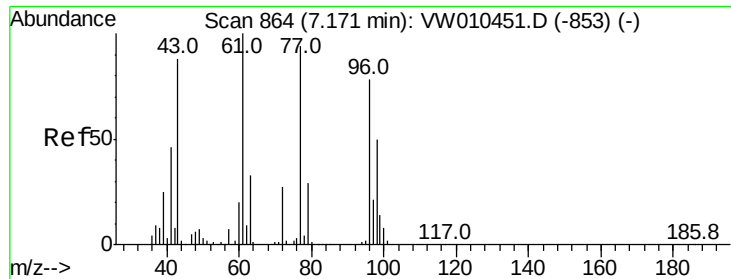


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 93.947 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

ClientSampled :

VW0521SBS01

Tot Ion: 43 Resp: 41412

Ion Ratio Lower Upper

43 100

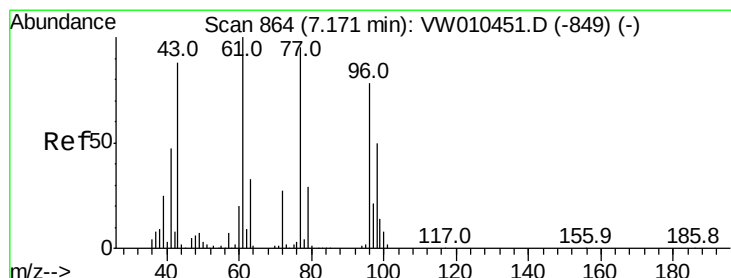
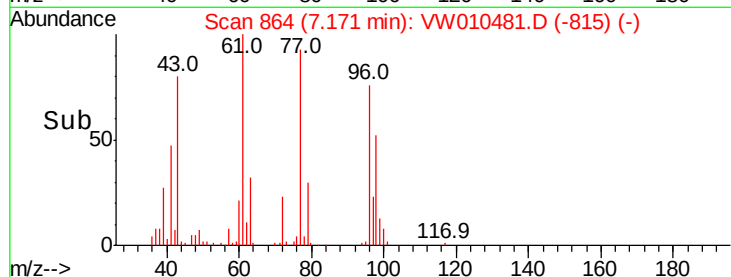
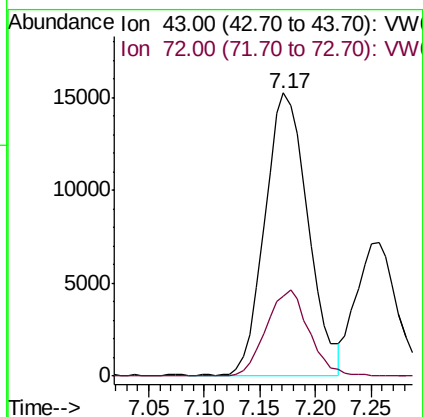
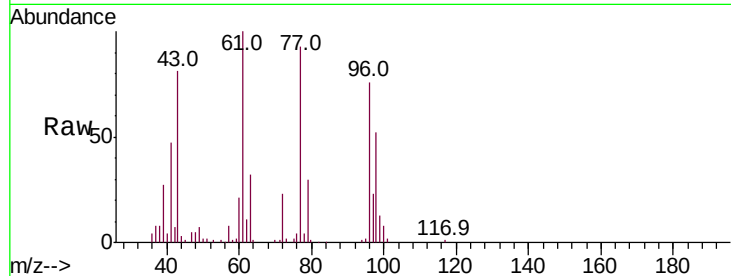
72 28.4 24.1 36.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.469 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010481.D

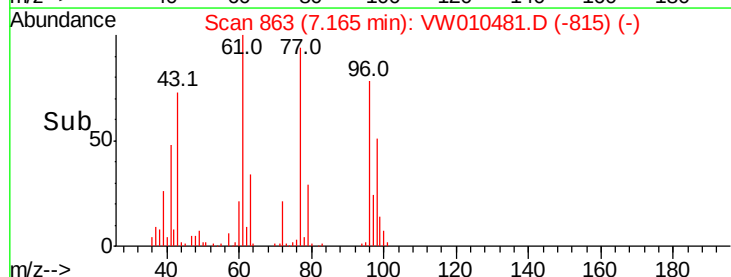
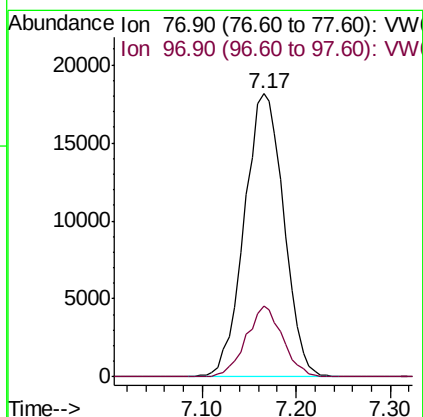
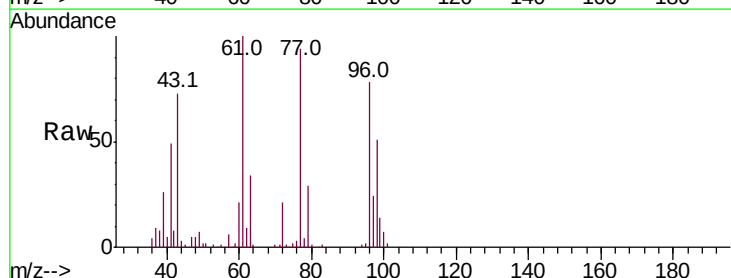
Acq: 21 May 2019 12:25

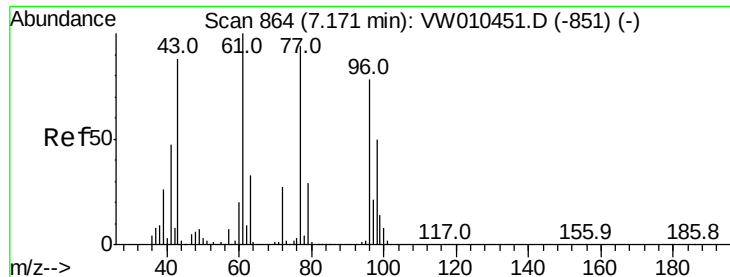
Tgt Ion: 77 Resp: 53328

Ion Ratio Lower Upper

77 100

97 23.2 11.7 35.0





#27

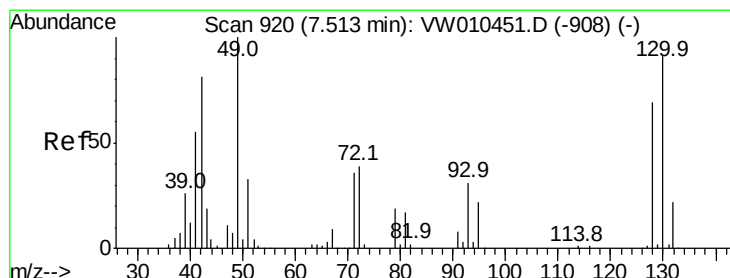
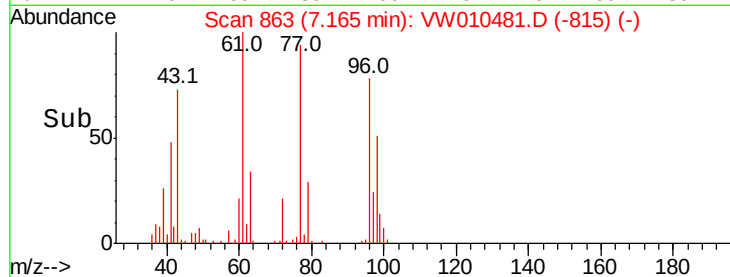
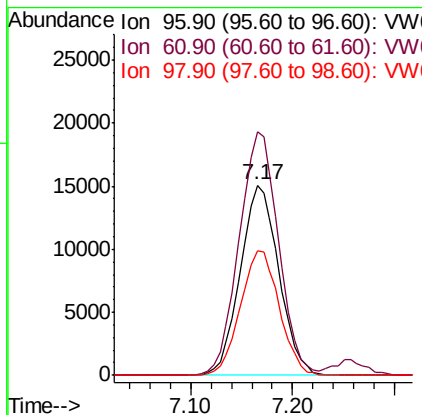
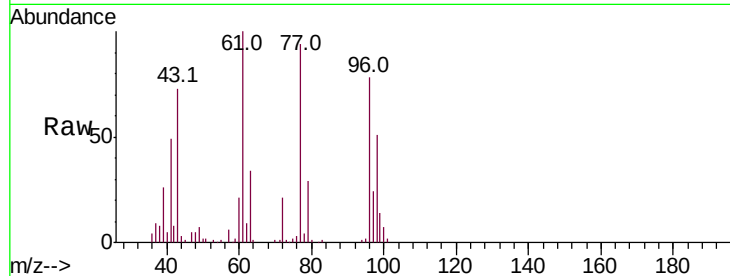
cis-1,2-Dichloroethene
 Concen: 20.465 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0521SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.5	0.0	265.4
98	66.3	0.0	129.4

Manual Integrations
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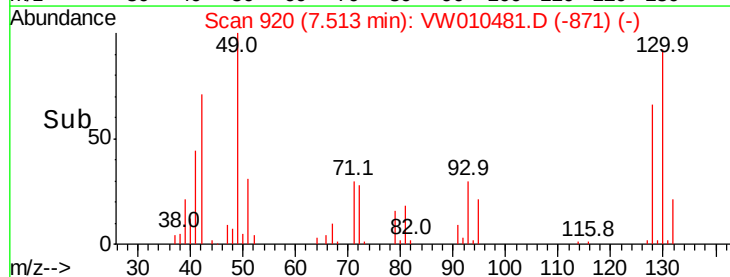
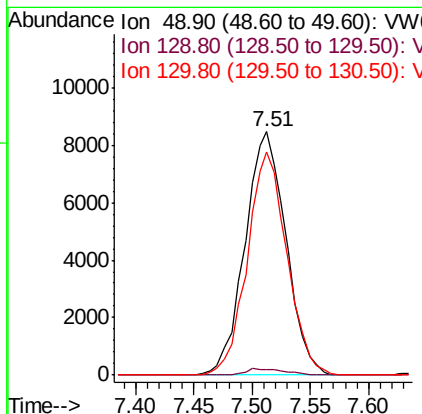
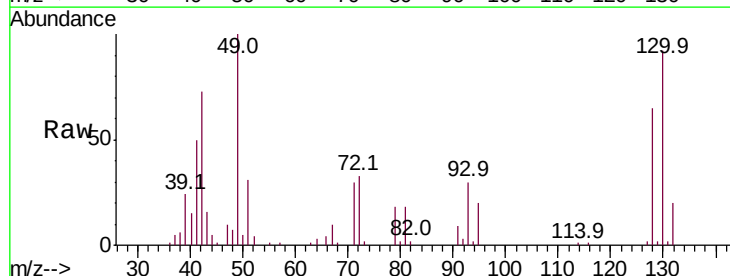
MMDadoda
 5/22/2019 11:55:09 AM

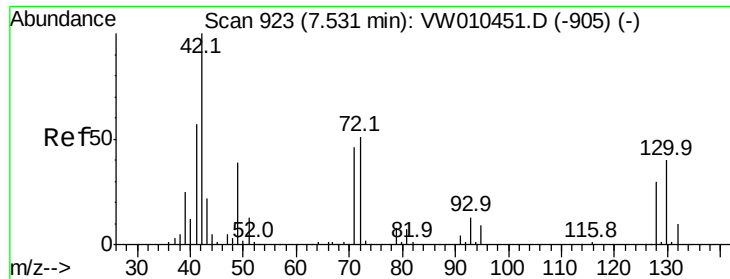


#28

Bromochloromethane
 Concen: 21.215 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	88.5	71.2	106.8





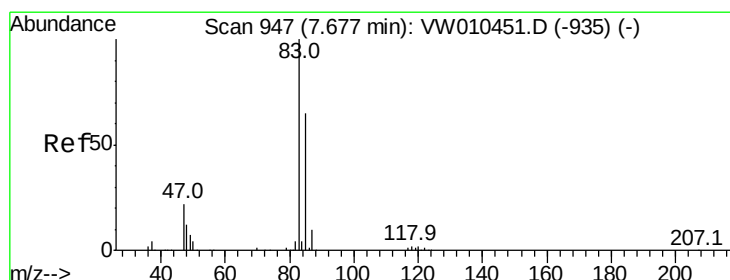
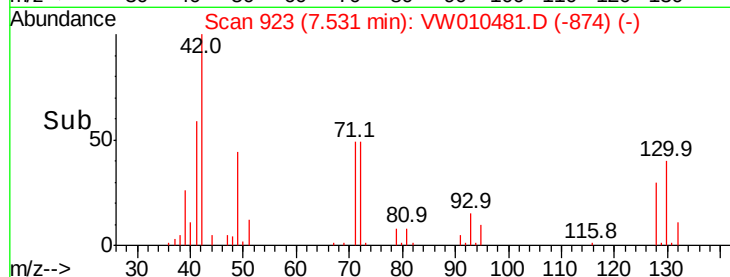
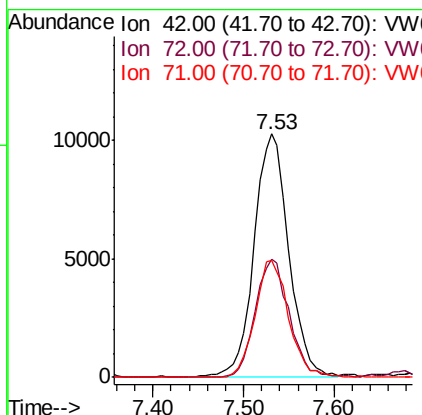
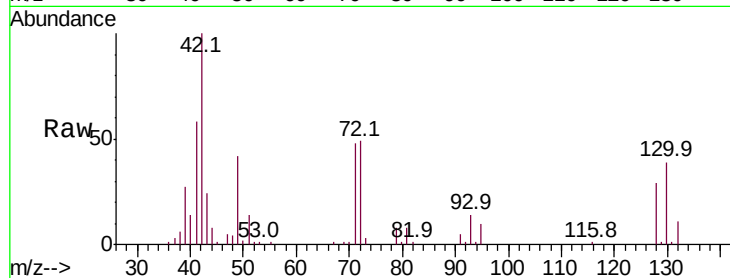
#29
Tetrahydrofuran
Concen: 90.981 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Instrument :
MSVOA_W
ClientSampleID :
VW0521SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.7	38.5	57.7
71	46.4	36.5	54.7

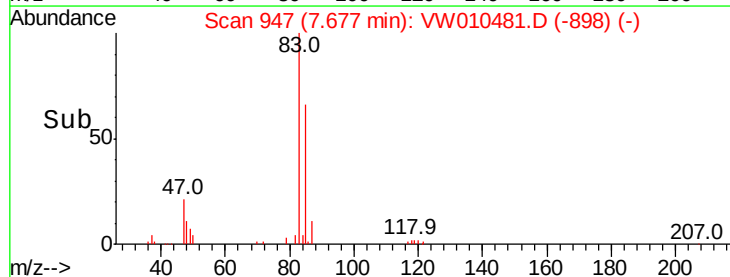
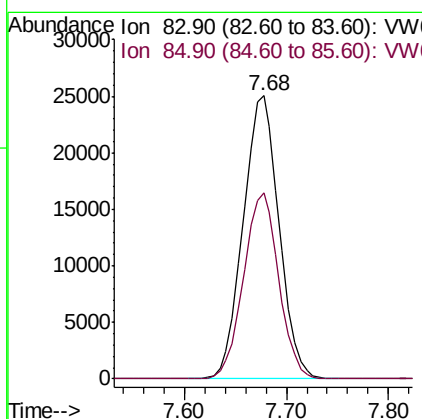
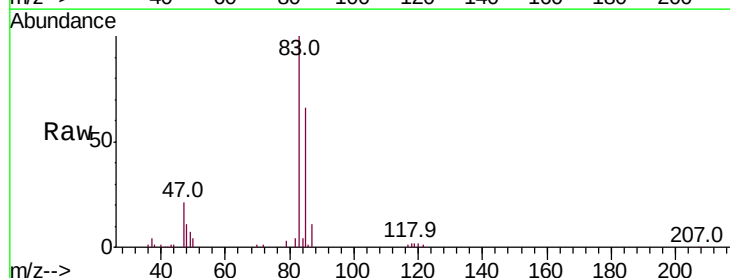
Manual Integrations
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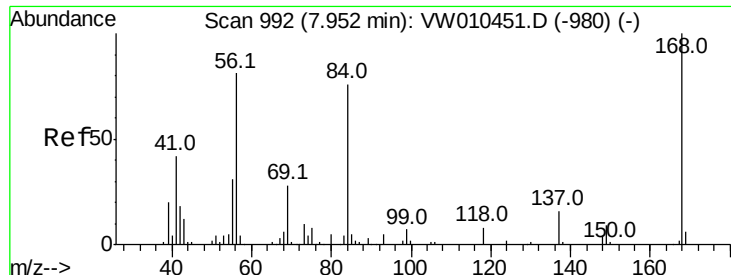
MMDadoda
5/22/2019 11:55:09 AM



#30
Chloroform
Concen: 20.730 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.2	78.4





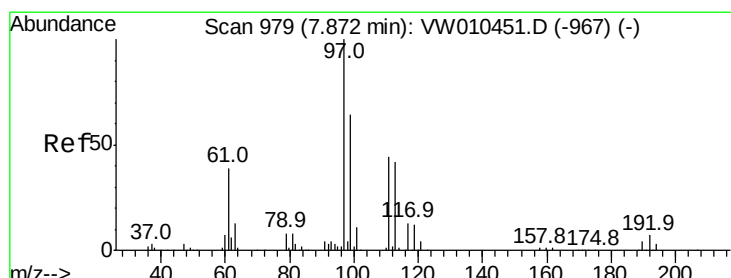
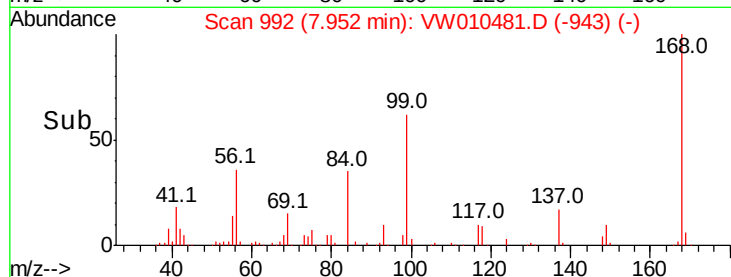
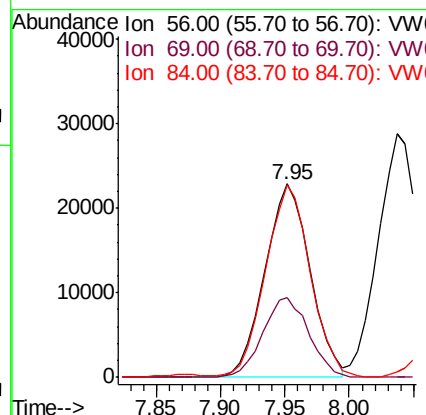
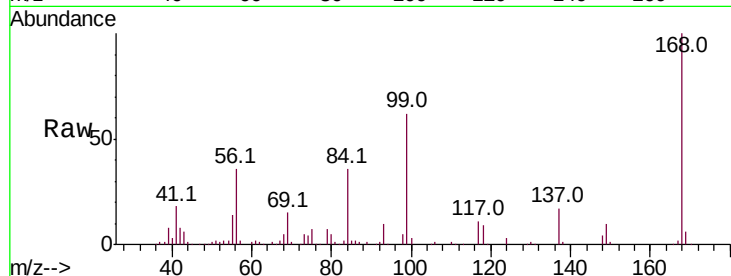
#31
Cyclohexane
Concen: 19.420 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.5	28.2	42.2
84	97.5	75.8	113.8

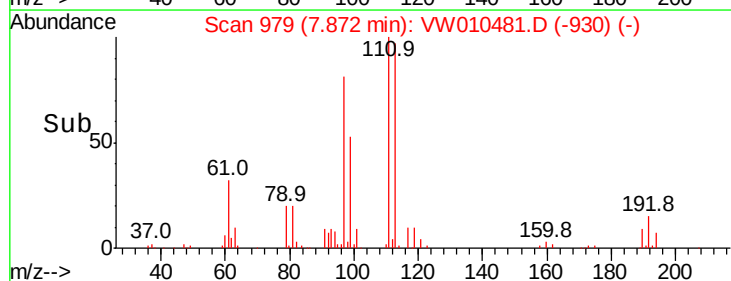
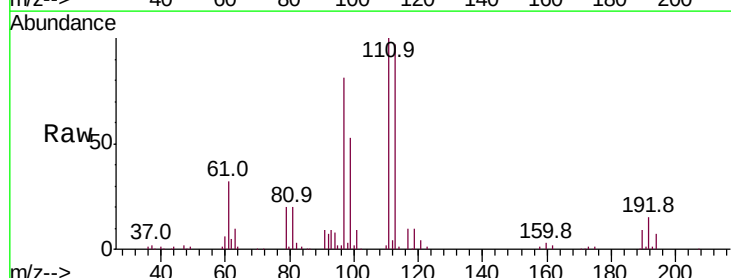
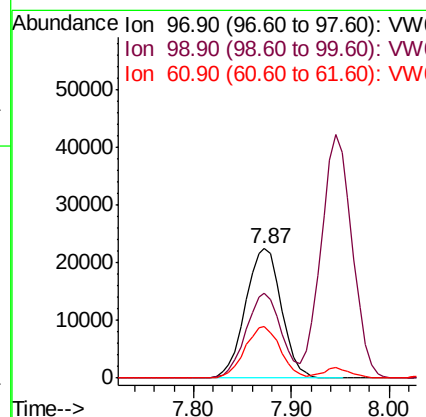
Manual Integrations
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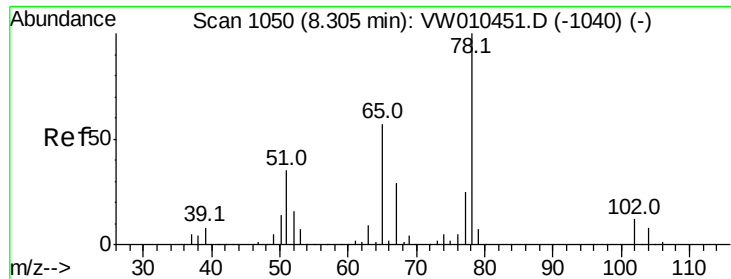
MMDadoda
5/22/2019 11:55:09 AM



#32
1,1,1-Trichloroethane
Concen: 20.386 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	50.8	76.2
61	39.1	32.1	48.1





#33

1,2-Dichloroethane-d4

Concen: 53.870 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

ClientSampleId :

VW0521SBSD01

Tot Ion: 65 Resp: 81290

Ion Ratio Lower Upper

65 100

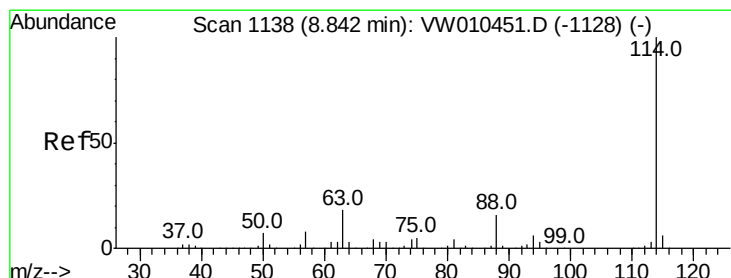
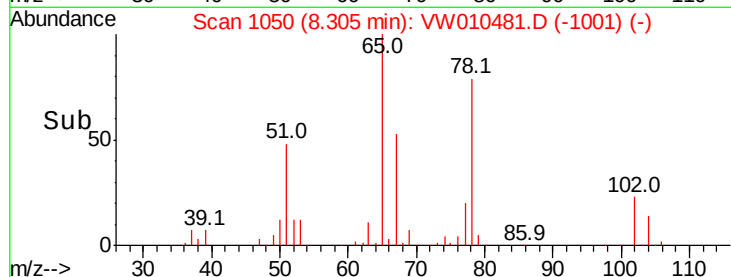
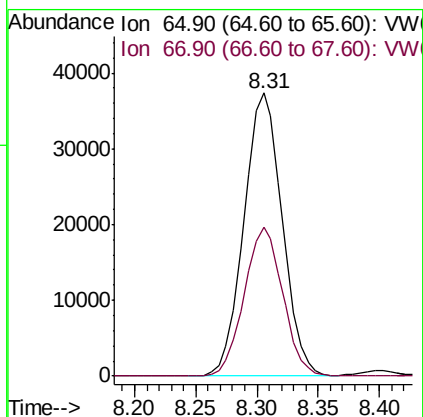
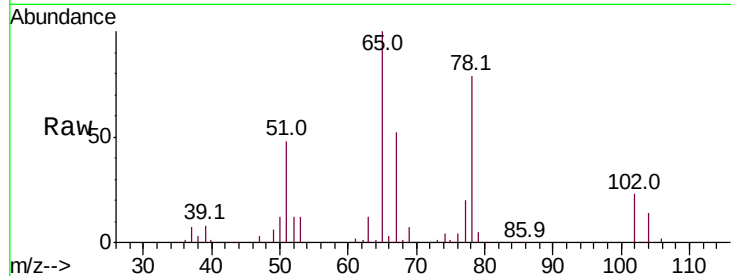
67 52.6 0.0 103.6

Manual Integrations

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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: VW010481.D

Acq: 21 May 2019 12:25

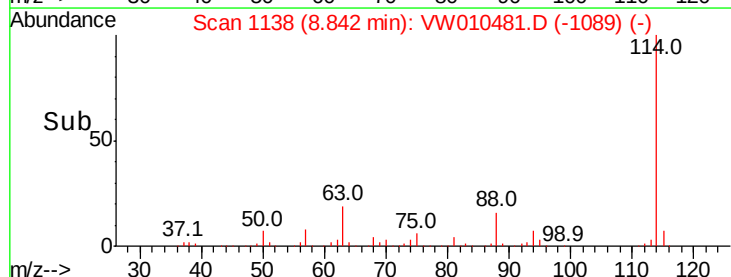
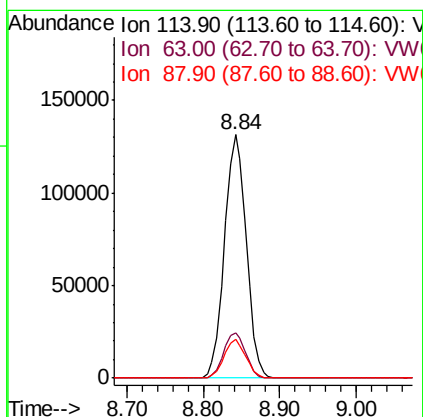
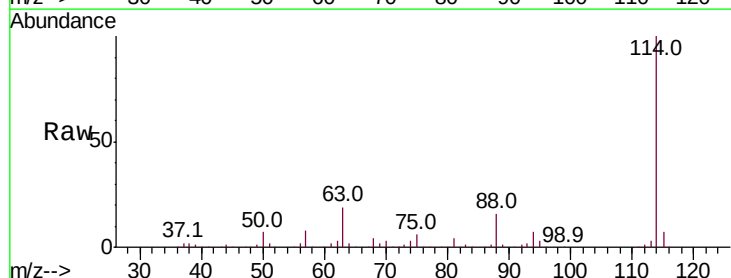
Tgt Ion: 114 Resp: 258588

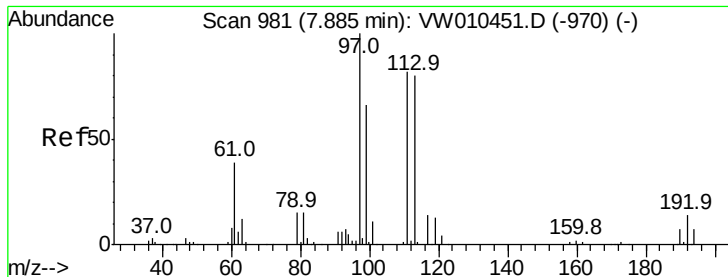
Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.0

88 15.8 0.0 32.0





#35

Dibromofluoromethane

Concen: 53.447 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

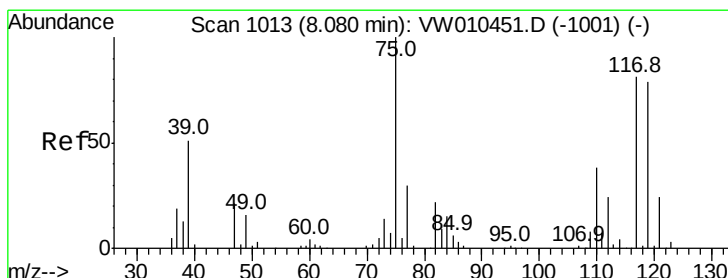
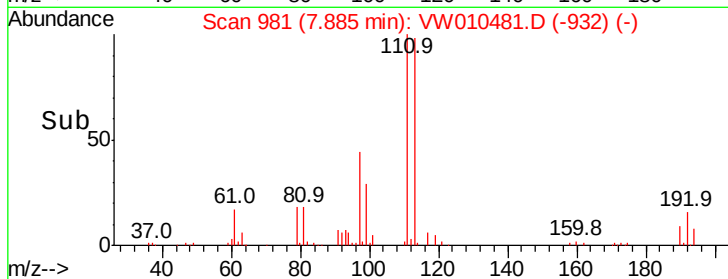
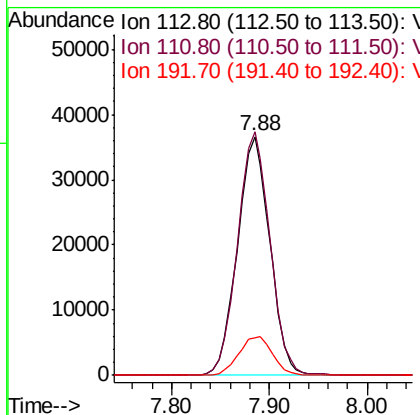
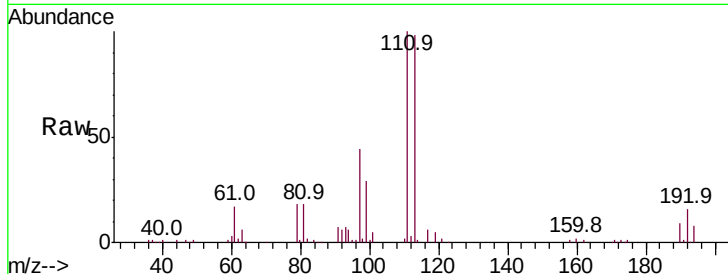
ClientSampleId :

VW0521SBS01

Tot Ion:	113	Resp:	83861
Ion Ratio	Lower	Upper	
113	100		
111	102.4	82.2	123.4
192	17.1	14.3	21.5

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.919 ug/l

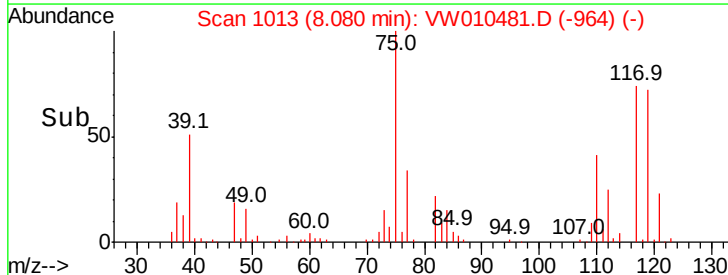
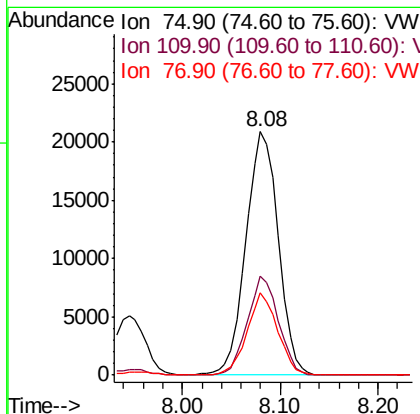
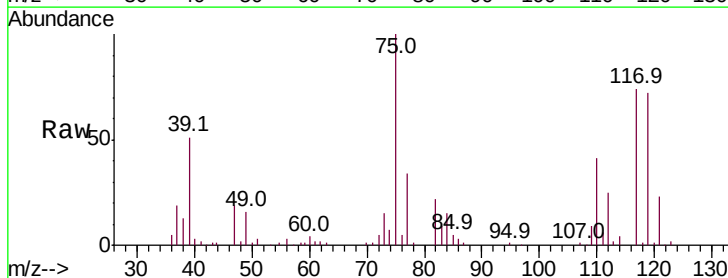
RT: 8.08 min Scan# 1013

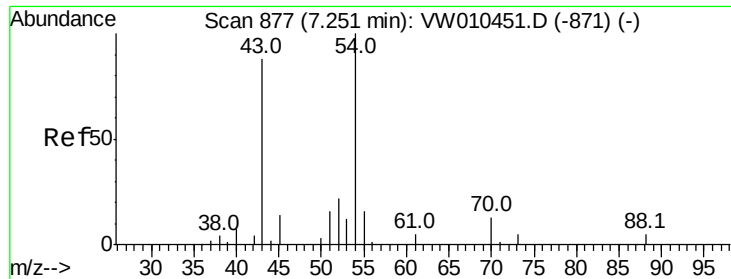
Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Tgt Ion:	75	Resp:	47982
Ion Ratio	Lower	Upper	
75	100		
110	38.8	19.2	57.6
77	31.9	25.2	37.8





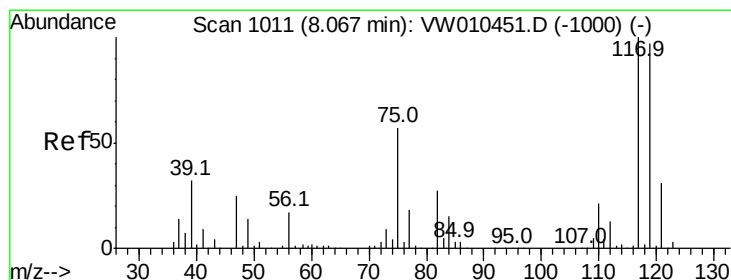
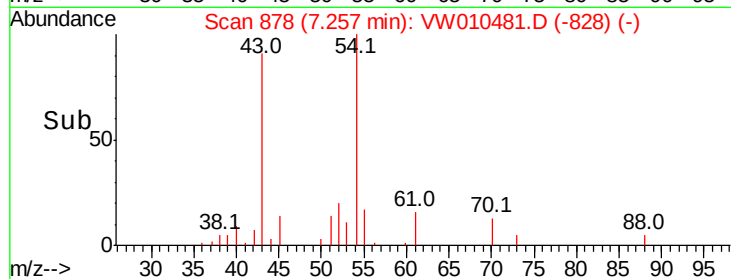
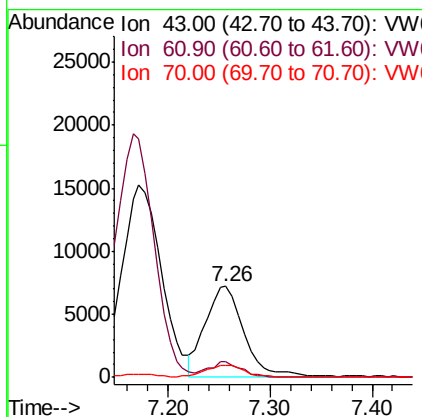
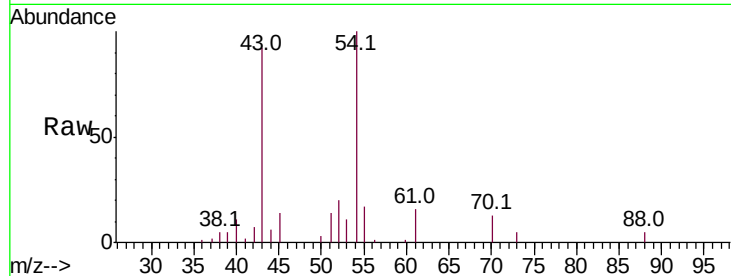
#37
Ethyl Acetate
Concen: 18.387 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.2	16.8
70	13.6	9.9	14.9

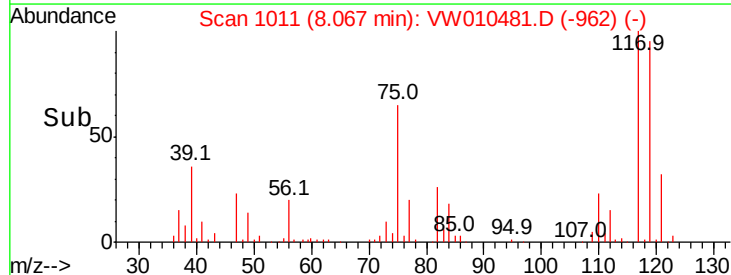
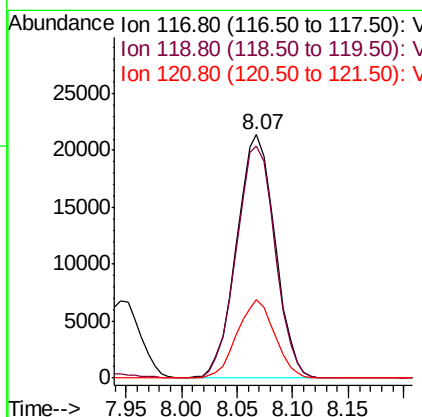
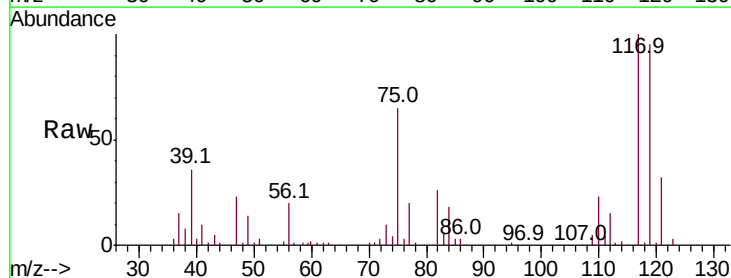
Manual Integrations
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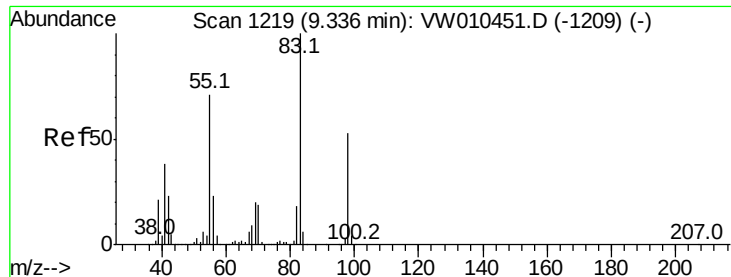
MMDadoda
5/22/2019 11:55:09 AM



#38
Carbon Tetrachloride
Concen: 19.794 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.4	116.0
121	32.3	25.0	37.6





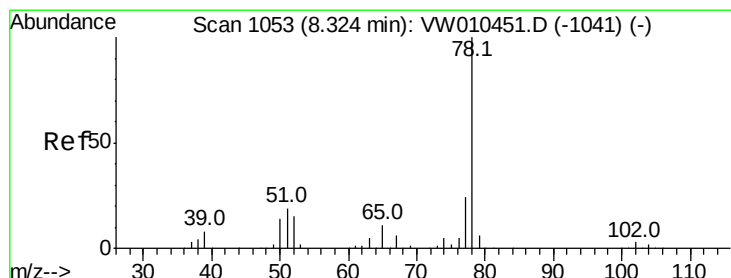
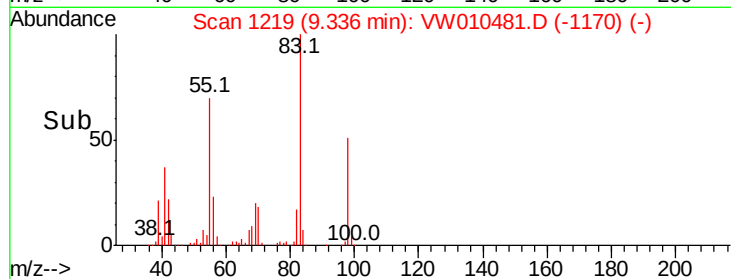
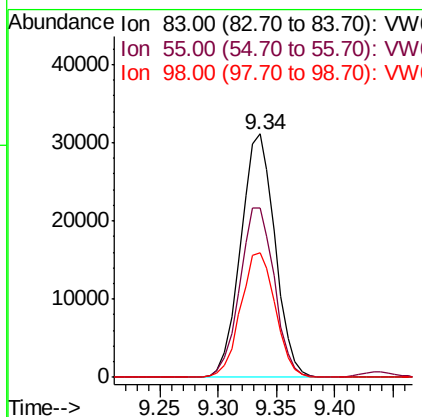
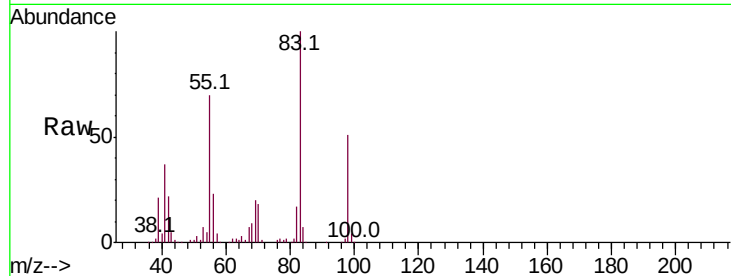
#39
Methylvlcyclohexane
Concen: 19.798 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.8	57.0	85.6
98	51.4	42.0	63.0

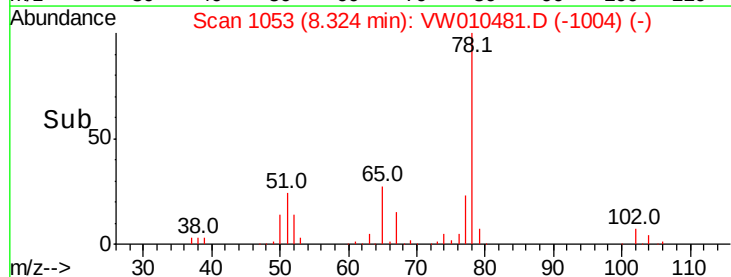
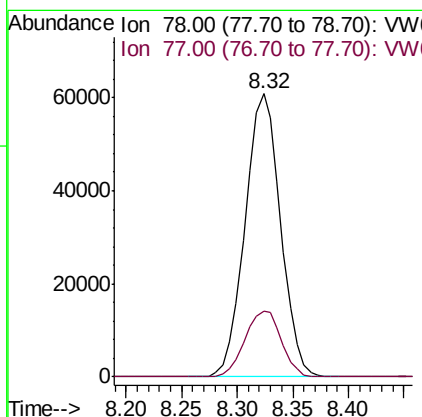
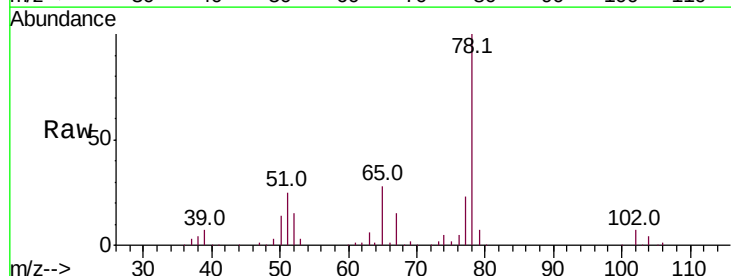
Manual Integrations
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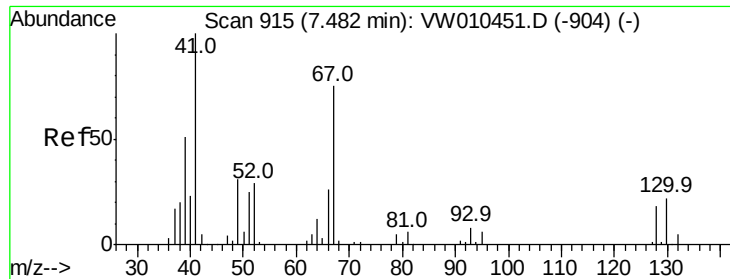
MMDadoda
5/22/2019 11:55:09 AM



#40
Benzene
Concen: 20.162 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.9	28.3





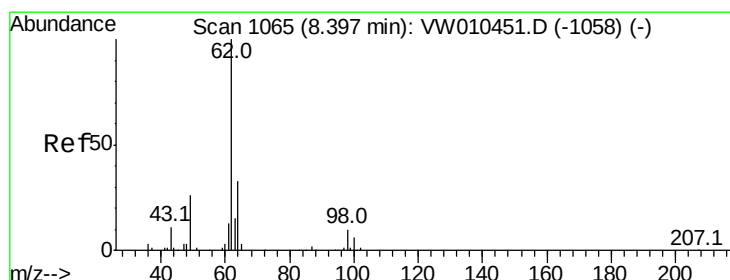
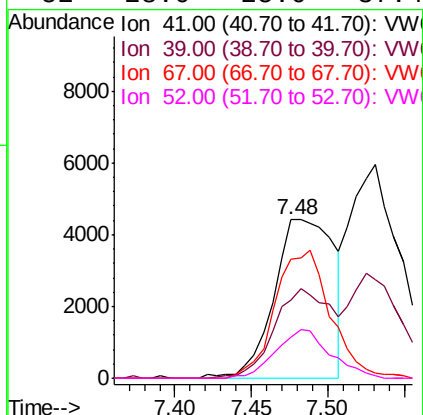
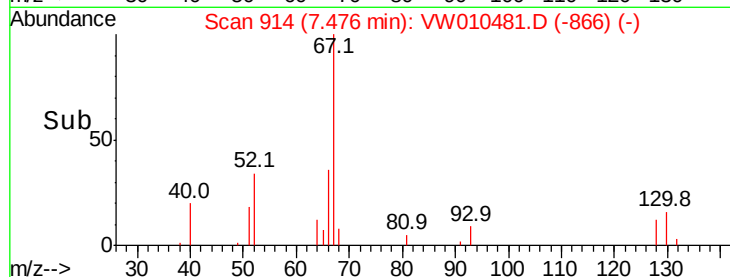
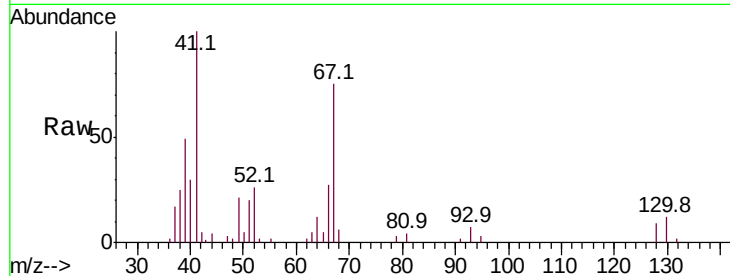
#41
Methacrylonitrile
Concen: 19.770 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBS01

Tot Ion	41	Resp	12033
Ion	Ratio	Lower	Upper
41	100		
39	53.8	47.4	71.2
67	74.7	65.5	98.3
52	28.0	25.0	37.4

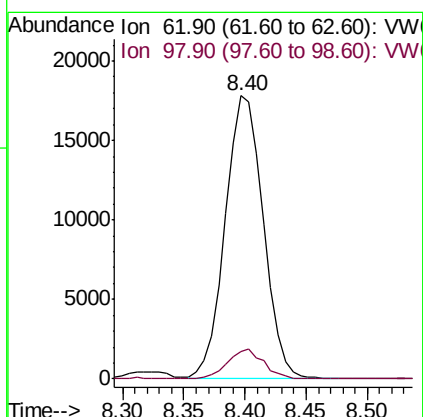
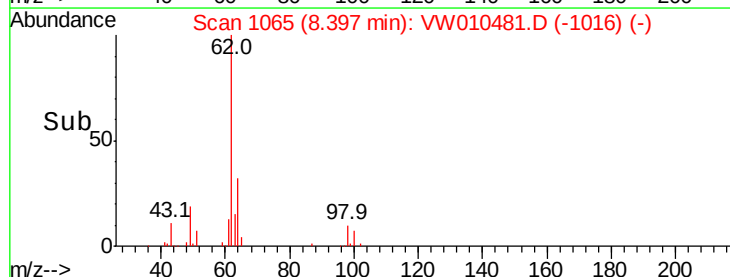
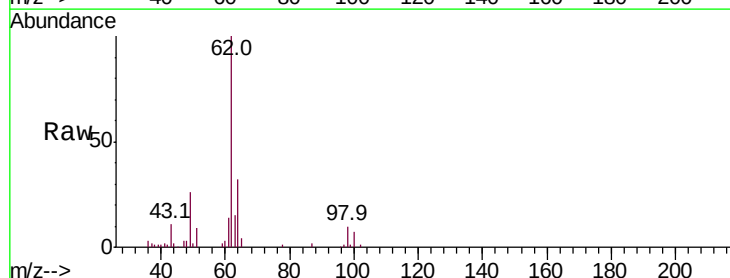
Manual Integrations
APPROVED

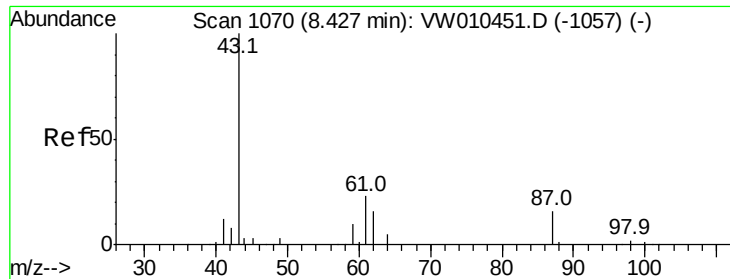
MMDadoda
5/22/2019 11:55:09 AM



#42
1,2-Dichloroethane
Concen: 20.061 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Tgt Ion	62	Resp	38388
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	21.0





#43

Isopropyl Acetate

Concen: 18.779 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

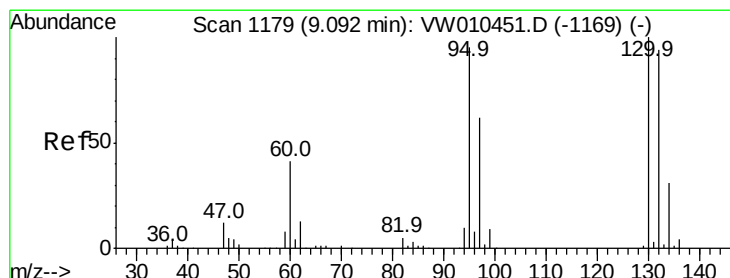
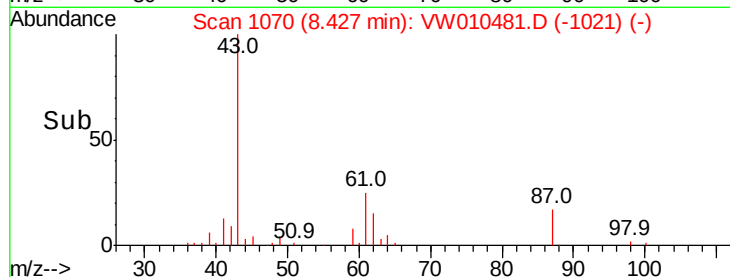
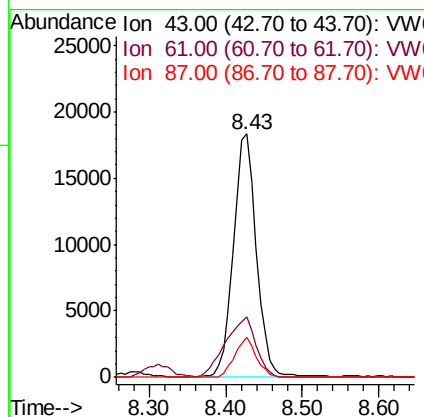
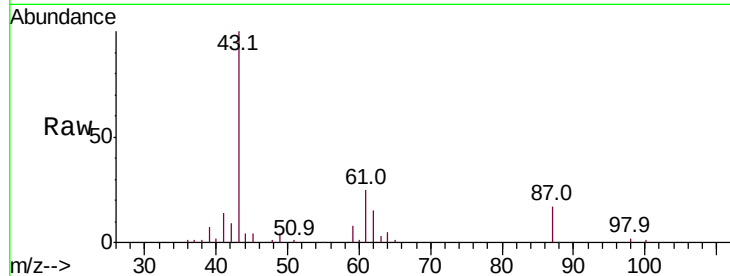
ClientSampleId :

VW0521SBS01

Tot Ion:	43	Resp:	38431
Ion	Ratio	Lower	Upper
43	100		
61	32.4	25.4	38.2
87	15.3	12.7	19.1

Manual Integrations
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#44

Trichloroethene

Concen: 19.988 ug/l

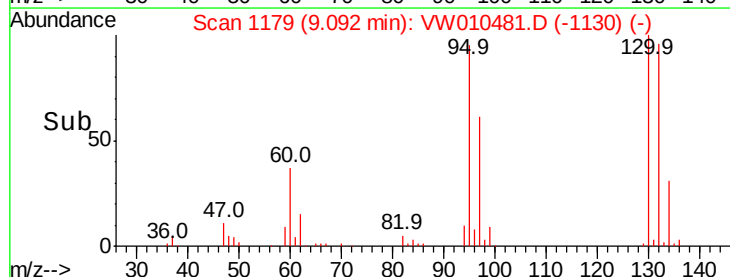
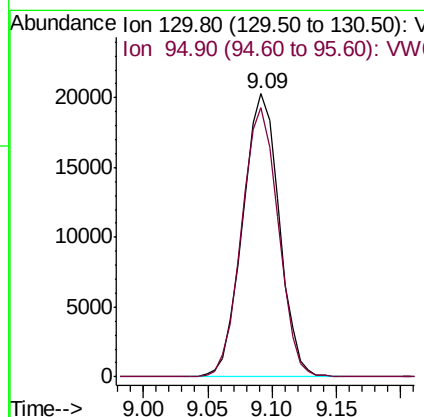
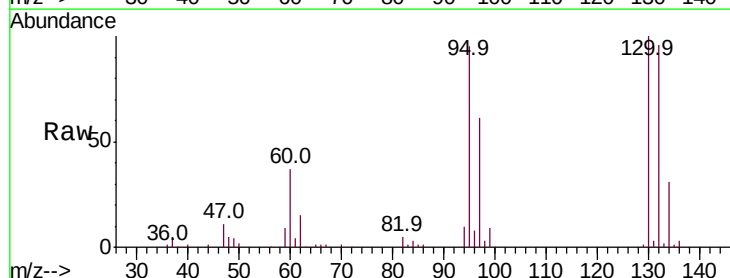
RT: 9.09 min Scan# 1179

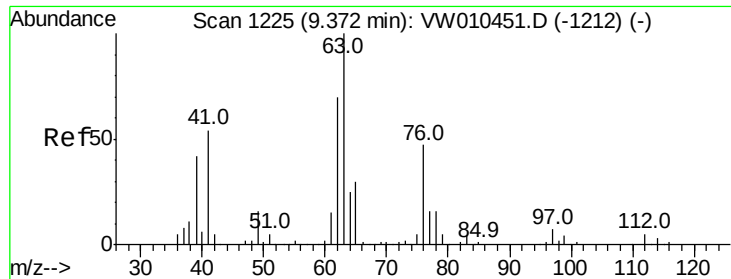
Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Tgt Ion:	130	Resp:	39731
Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	189.6





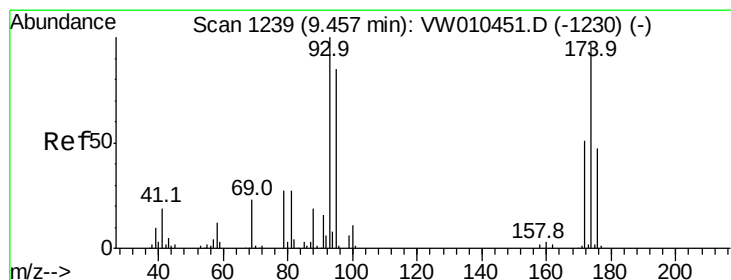
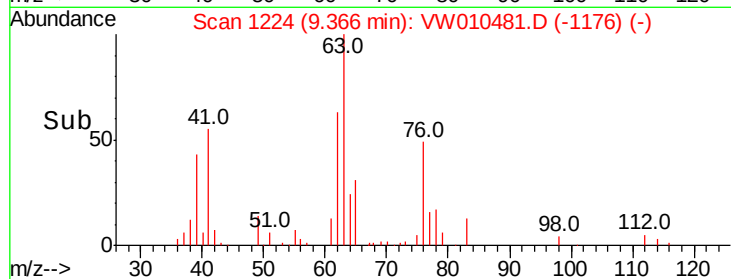
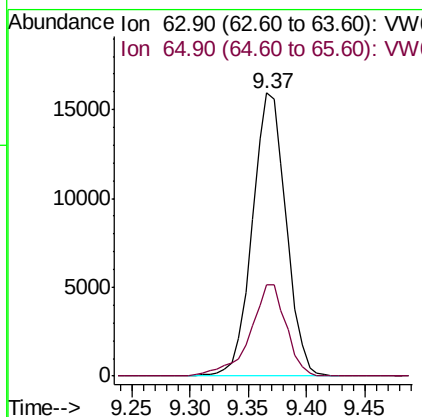
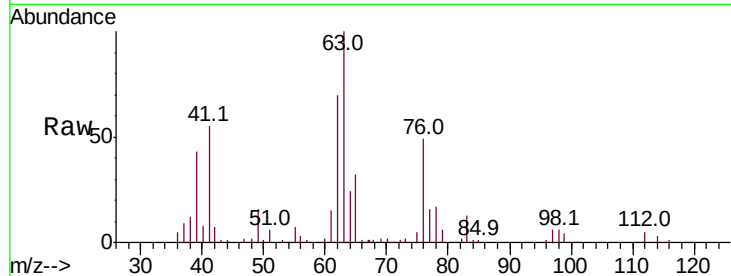
#45
 1,2-Dichloropropane
 Concen: 20.257 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0521SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	24.3	36.5

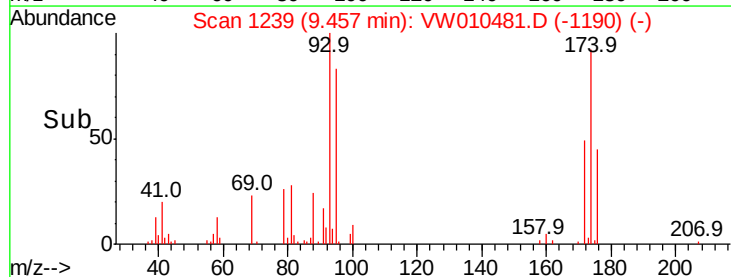
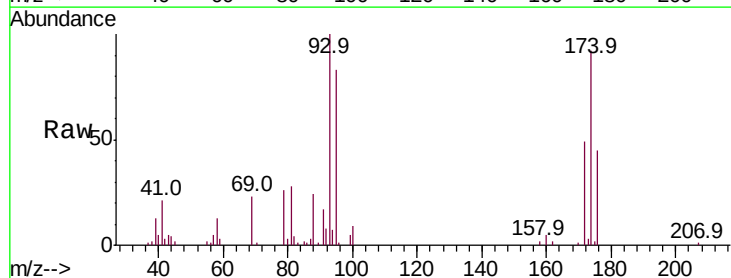
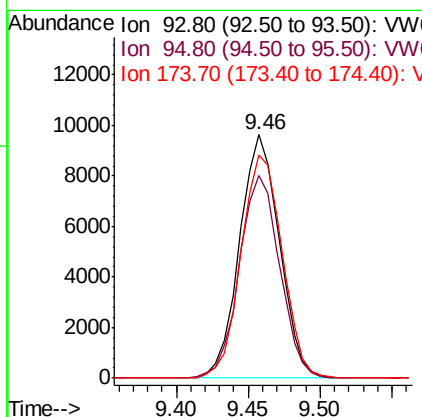
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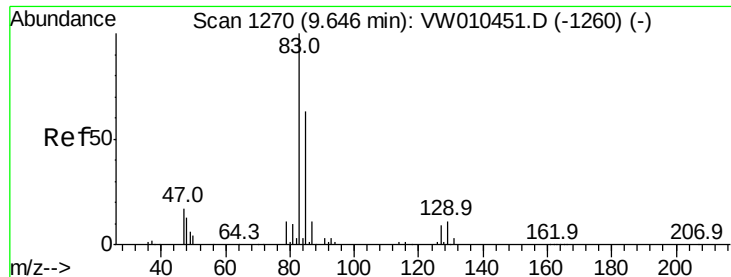
MMDadoda
 5/22/2019 11:55:09 AM



#46
 Dibromomethane
 Concen: 19.858 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.1	66.1	99.1
174	94.6	77.1	115.7





#47

Bromodichloromethane

Concen: 20.114 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

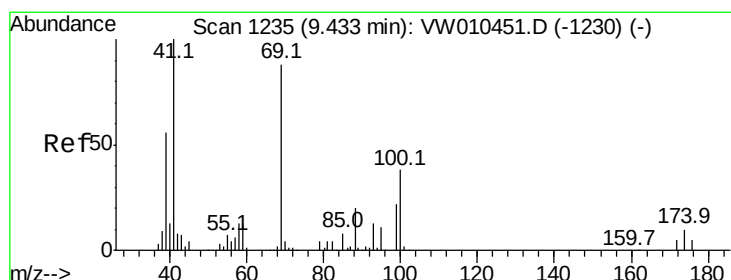
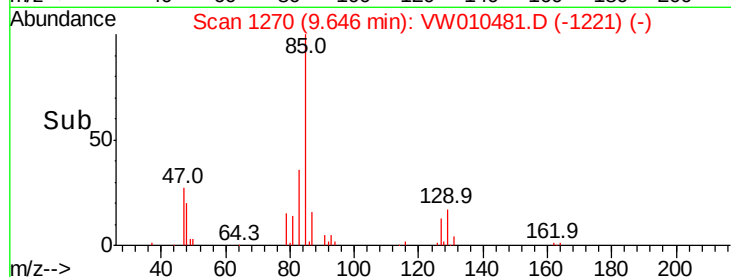
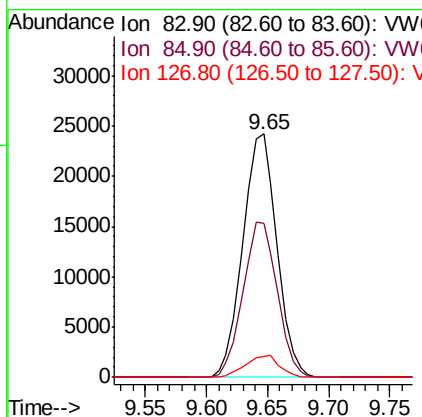
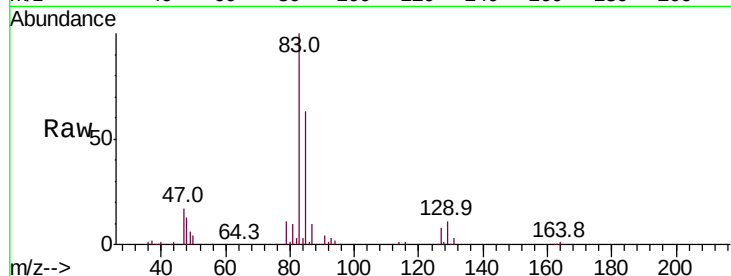
ClientSampleId :

VW0521SBSD01

Tot Ion:	83	Resp:	47005
Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.4	75.6
127	8.5	7.4	11.0

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#48

Methyl methacrylate

Concen: 19.565 ug/l

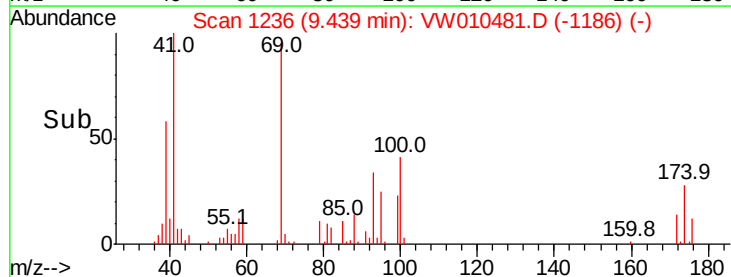
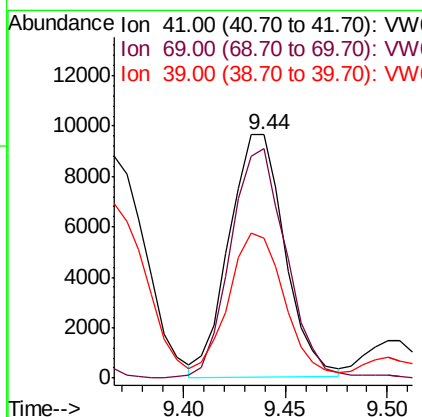
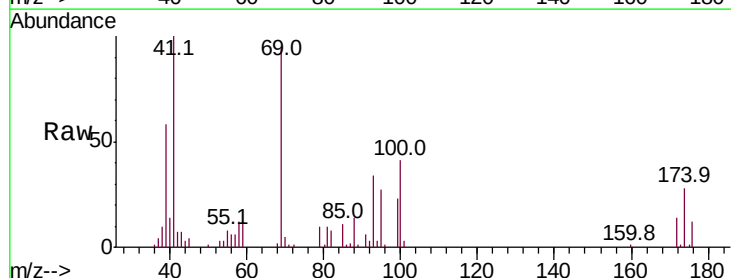
RT: 9.44 min Scan# 1236

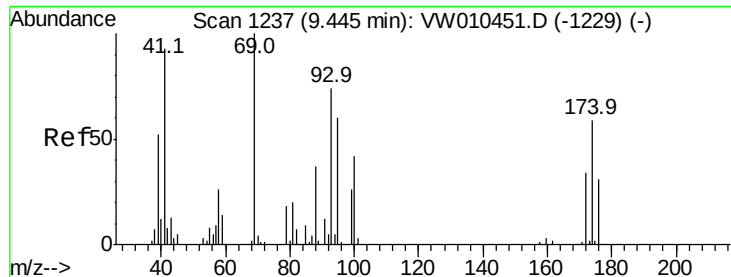
Delta R.T. 0.01 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Tgt Ion:	41	Resp:	18317
Ion	Ratio	Lower	Upper
41	100		
69	94.9	77.6	116.4
39	54.9	49.8	74.8





#49

1,4-Dioxane

Concen: 326.769 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

ClientSampleId :

VW0521SBS01

Tot Ion: 88 Resp: 4964

Ion Ratio Lower Upper

88 100

43 27.9 25.9 38.9

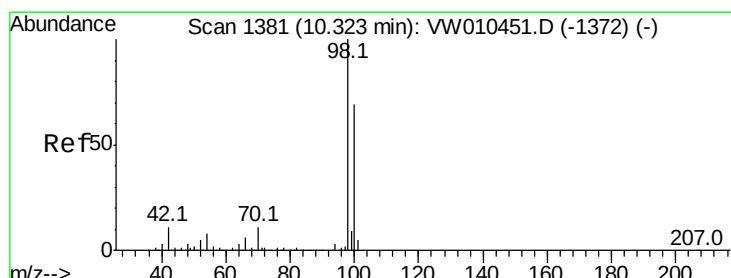
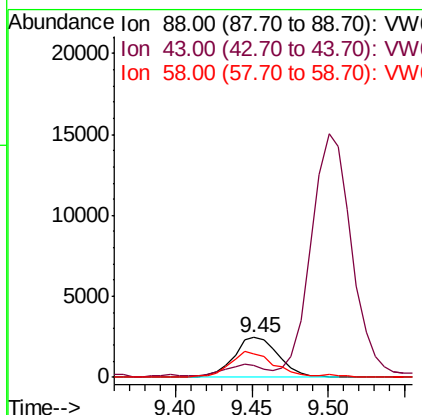
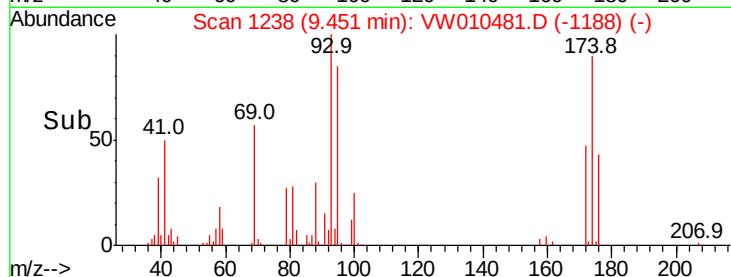
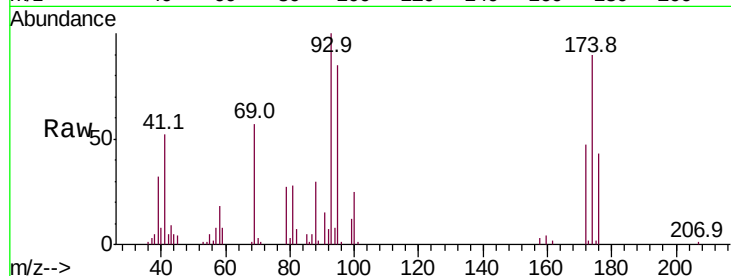
58 65.1 52.7 79.1

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#50

Toluene-d8

Concen: 53.767 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010481.D

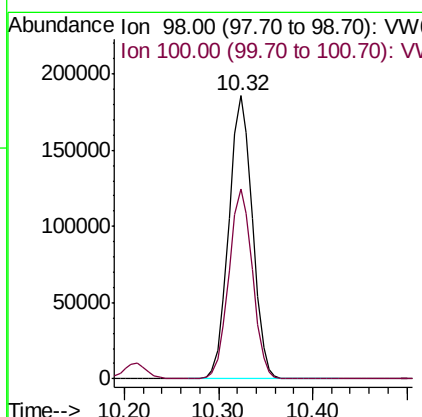
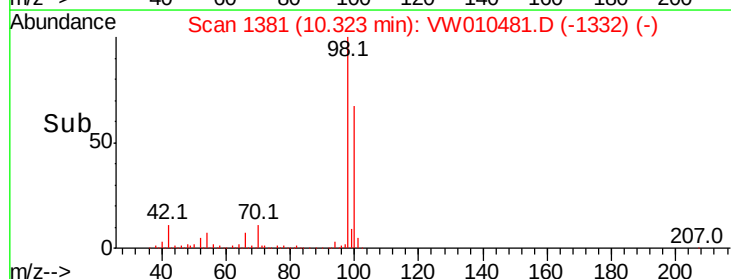
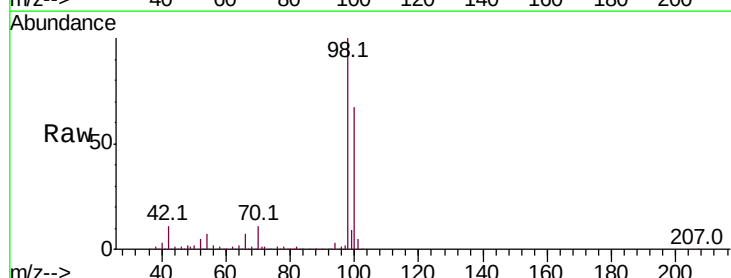
Acq: 21 May 2019 12:25

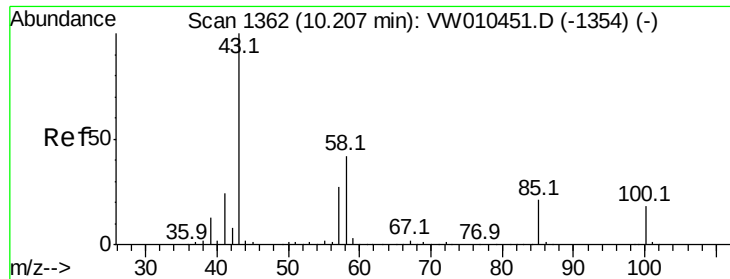
Tgt Ion: 98 Resp: 322290

Ion Ratio Lower Upper

98 100

100 67.2 53.7 80.5





#51

4-Methyl-2-Pentanone

Concen: 91.786 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

ClientSampleId :

VW0521SBS01

Tot Ion: 43 Resp: 95181

Ion Ratio Lower Upper

43 100

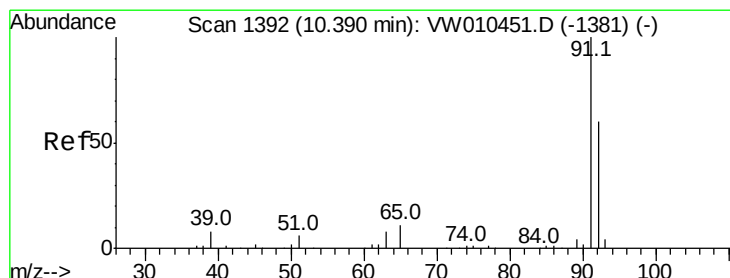
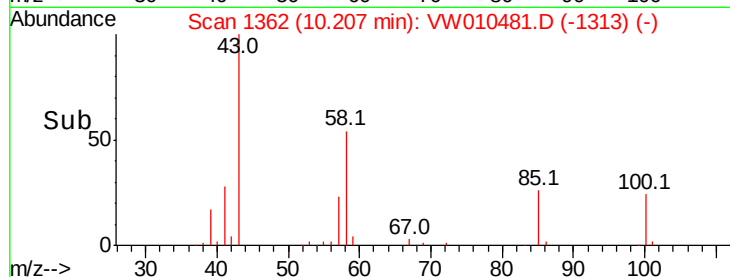
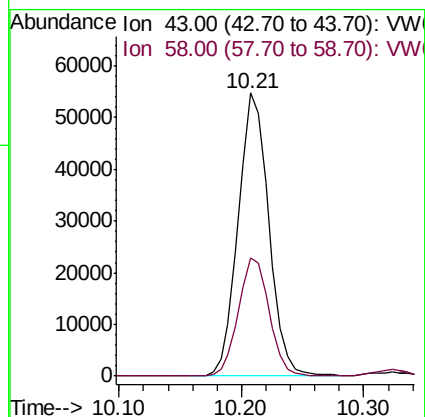
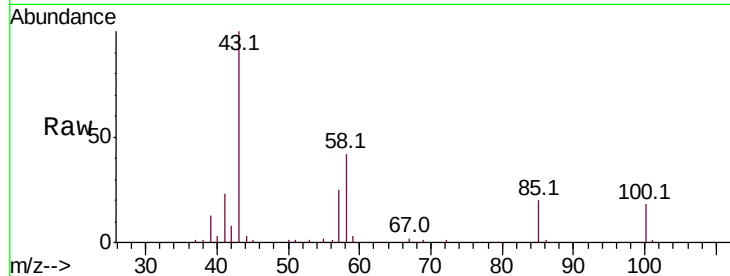
58 41.8 33.2 49.8

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#52

Toluene

Concen: 20.299 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010481.D

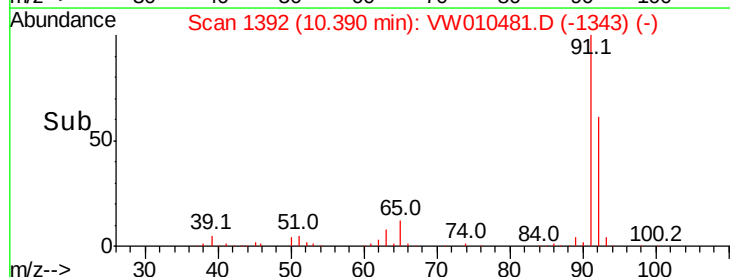
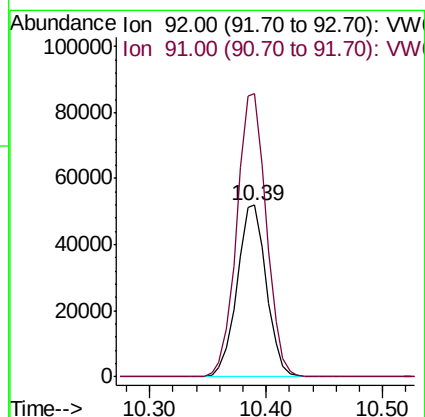
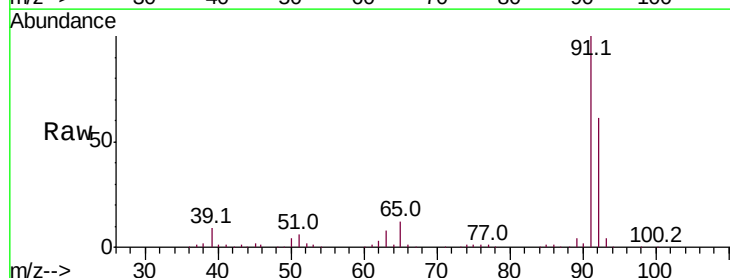
Acq: 21 May 2019 12:25

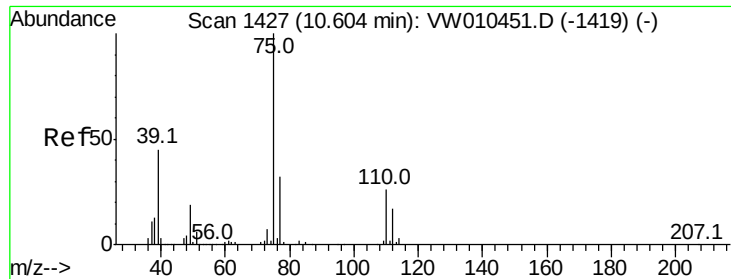
Tgt Ion: 92 Resp: 91273

Ion Ratio Lower Upper

92 100

91 166.4 135.4 203.0





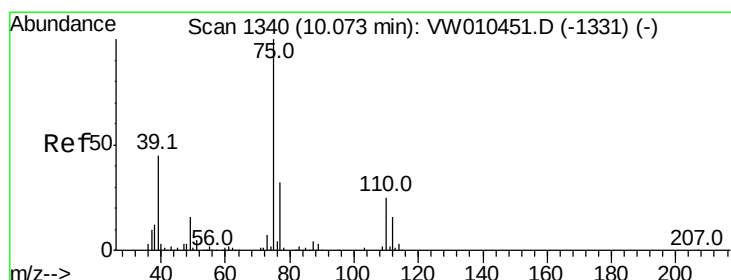
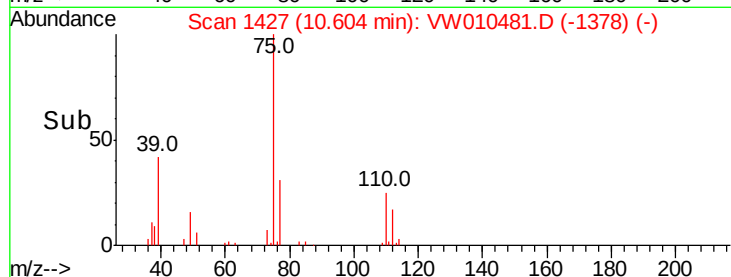
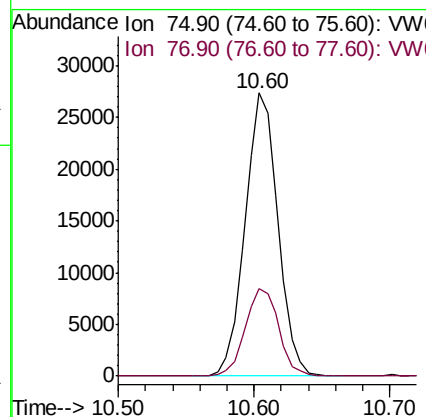
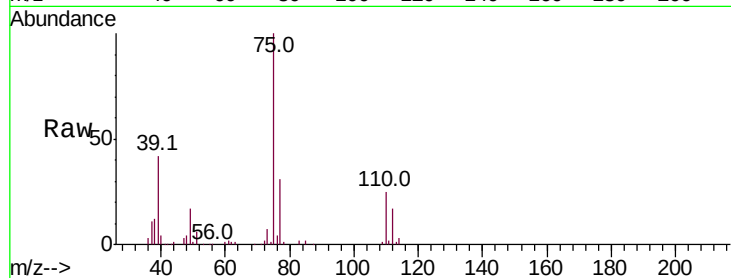
#53
 t-1,3-Dichloropropene
 Concen: 19.471 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0521SBSD01

Tot Ion	75	Resp	46083
Ion Ratio	Lower	Upper	
75	100		
77	30.9	25.4	38.0

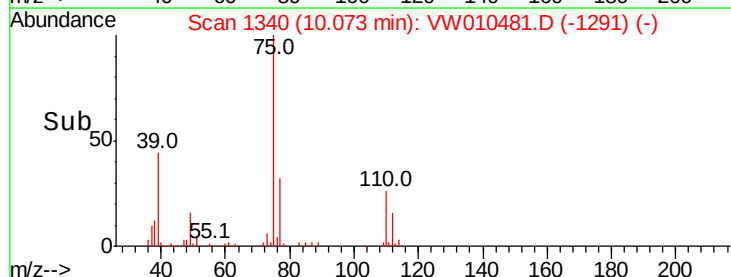
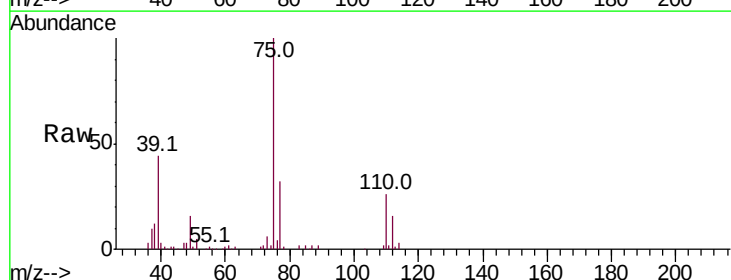
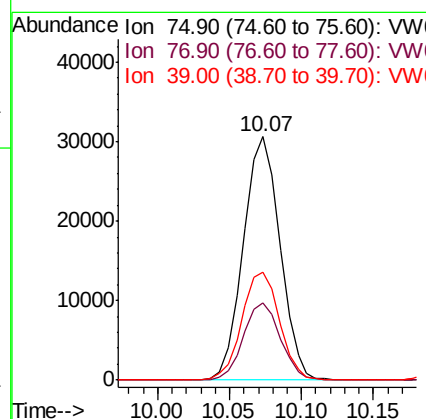
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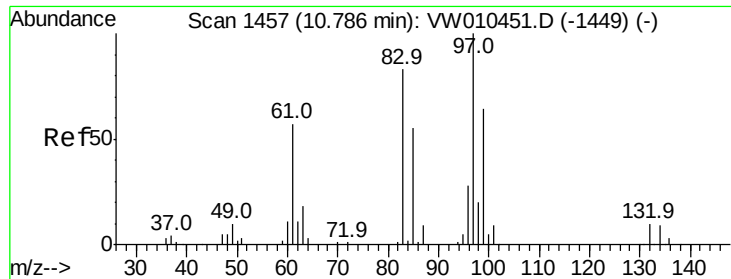
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#54
 cis-1,3-Dichloropropene
 Concen: 20.020 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

Tgt Ion	75	Resp	54113
Ion Ratio	Lower	Upper	
75	100		
77	31.8	25.7	38.5
39	44.1	36.2	54.4





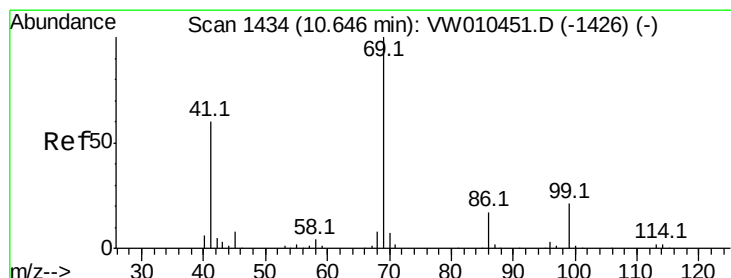
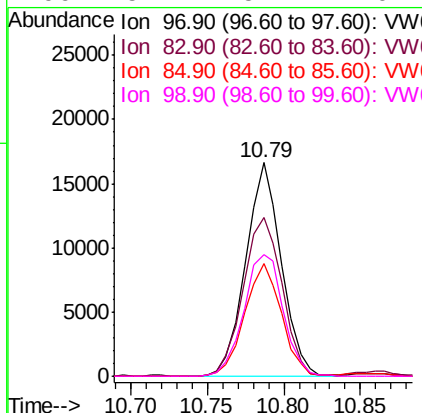
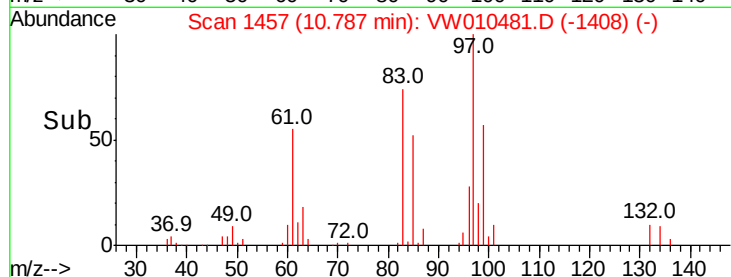
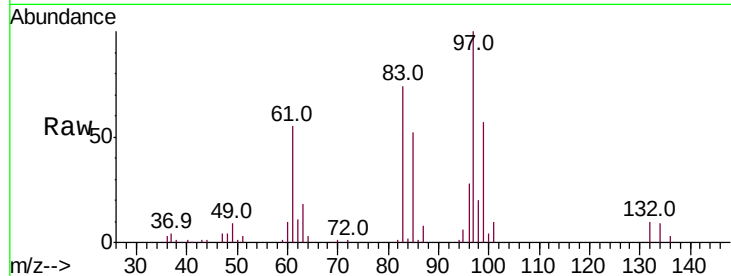
#55
 1,1,2-Trichloroethane
 Concen: 20.112 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0521SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		26895		
83	74.5	66.1	99.1		
85	52.5	44.2	66.4		
99	57.1	51.1	76.7		

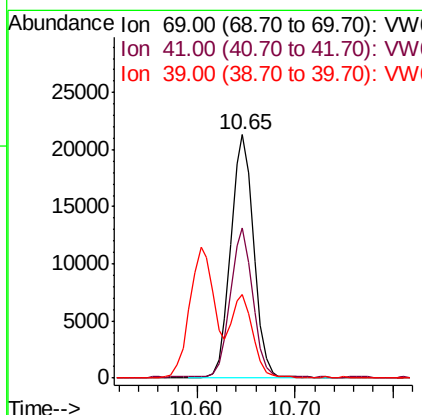
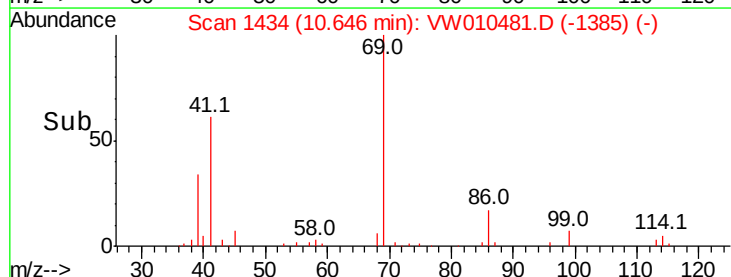
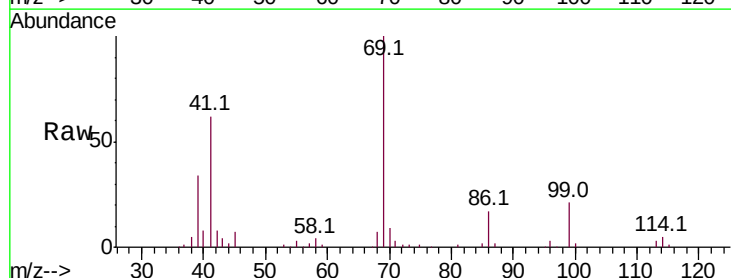
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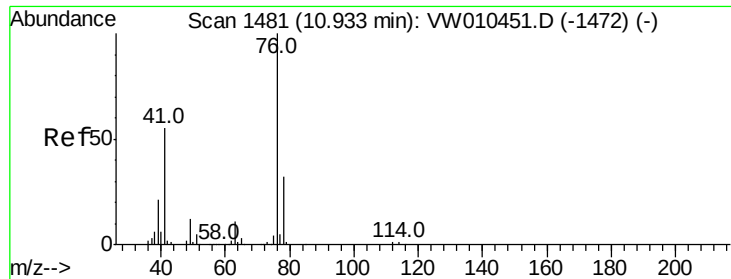
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 5/22/2019 11:55:09 AM



#56
 Ethyl methacrylate
 Concen: 18.868 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		34799		
41	60.0	47.7	71.5		
39	32.1	25.3	37.9		





#57

1,3-Dichloropropane

Concen: 19.999 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :
MSVOA_W

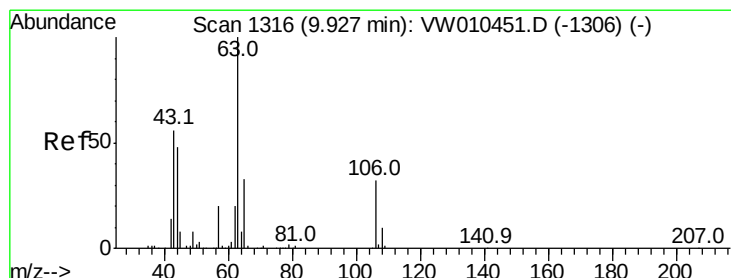
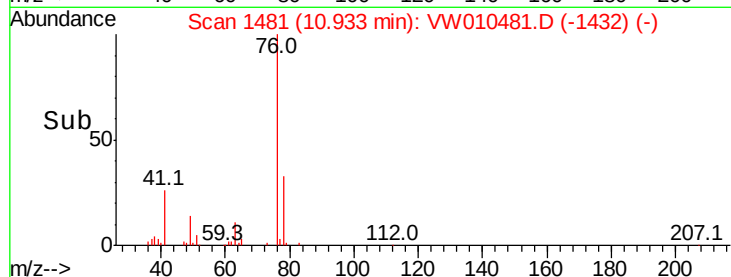
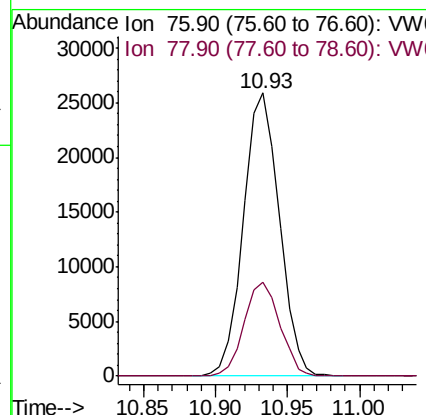
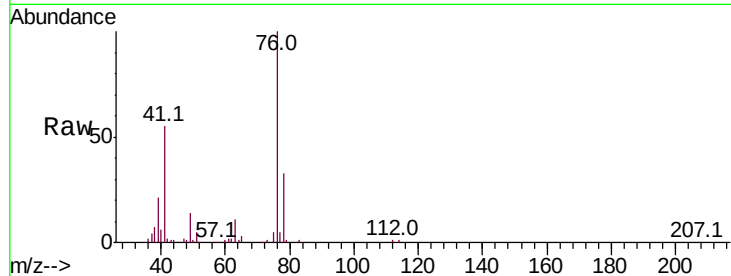
ClientSampleId :
VW0521SBSD01

Tot Ion: 76 Resp: 44799

Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.2	39.2

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#58

2-Chloroethyl Vinyl ether

Concen: 100.063 ug/l

RT: 9.92 min Scan# 1315

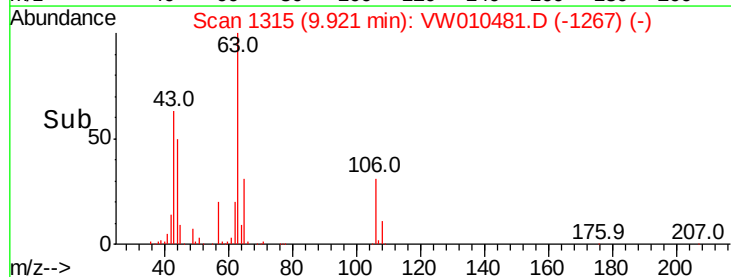
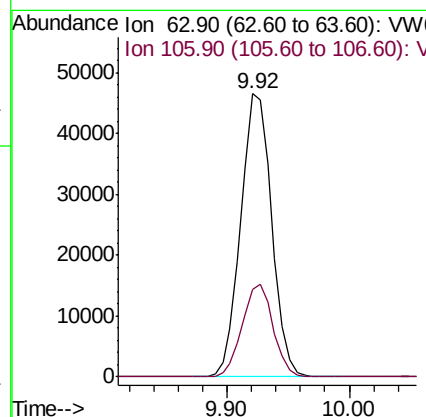
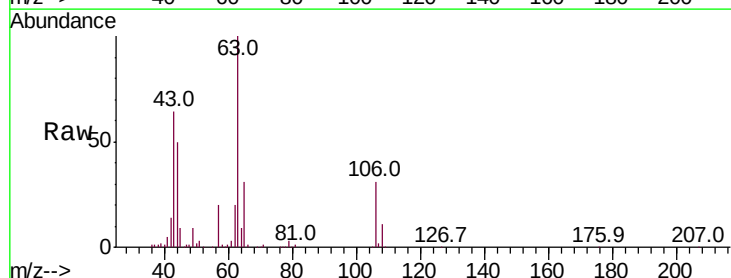
Delta R.T. -0.01 min

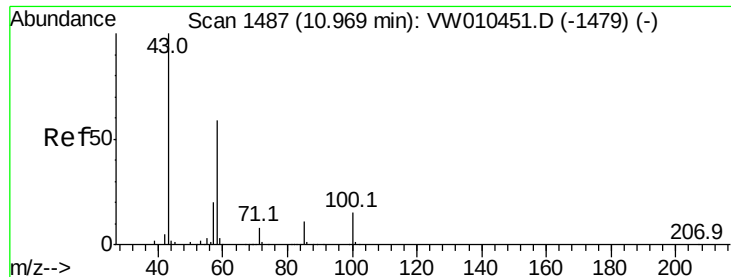
Lab File: VW010481.D

Acq: 21 May 2019 12:25

Tgt Ion: 63 Resp: 81741

Ion	Ratio	Lower	Upper
63	100		
106	32.6	25.8	38.6





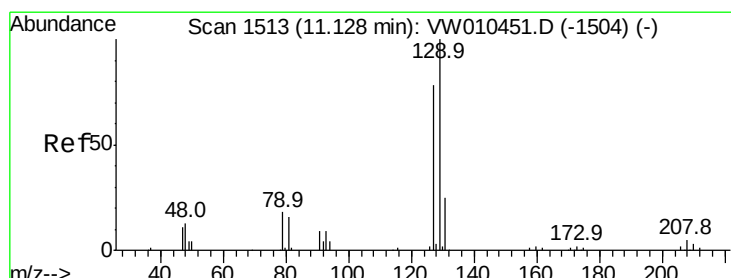
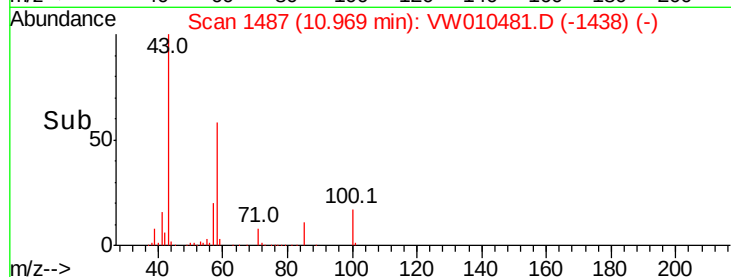
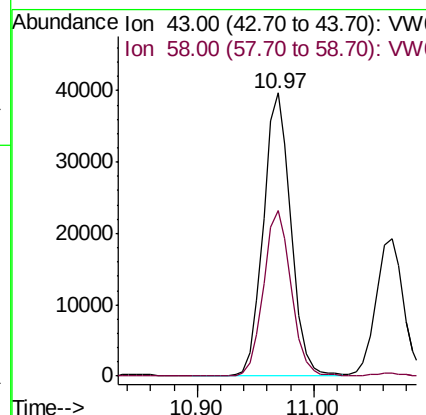
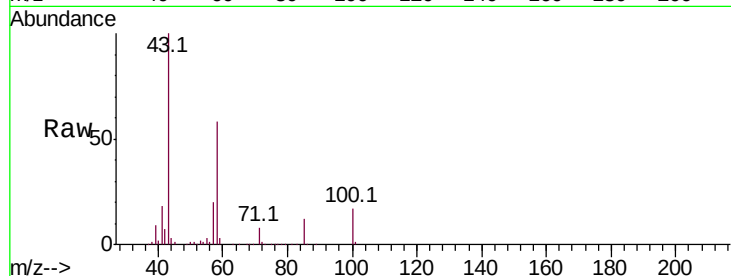
#59
2-Hexanone
Concen: 88.406 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBSD01

Tot Ion: 43 Resp: 65397
Ion Ratio Lower Upper
43 100
58 58.7 28.9 86.8

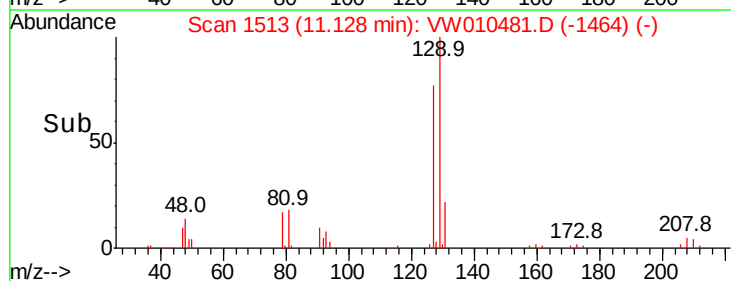
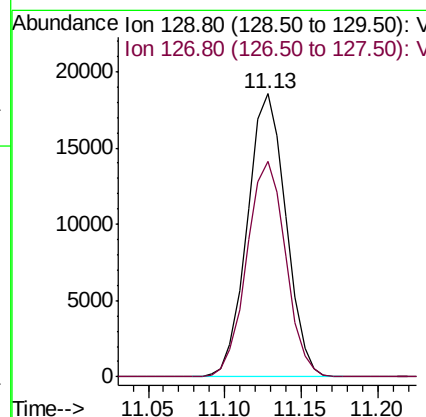
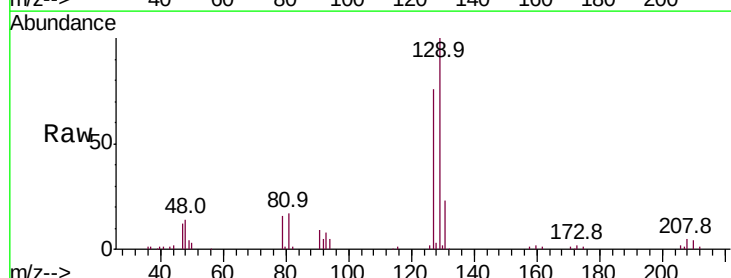
Manual Integrations
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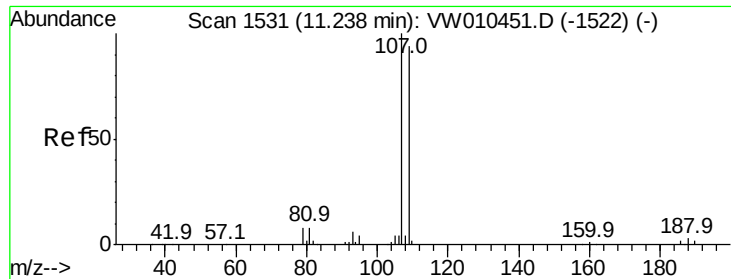
MMDadoda
5/22/2019 11:55:09 AM



#60
Dibromochloromethane
Concen: 19.265 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Tgt Ion: 129 Resp: 32604
Ion Ratio Lower Upper
129 100
127 76.6 38.9 116.7





#61

1,2-Dibromoethane

Concen: 19.652 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

ClientSampled :

VW0521SBS01

Tot Ion:107 Resp: 26621

Ion Ratio Lower Upper

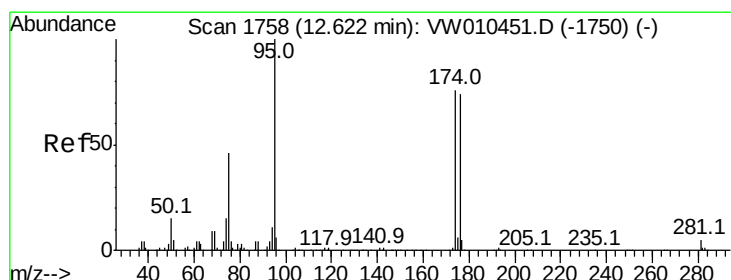
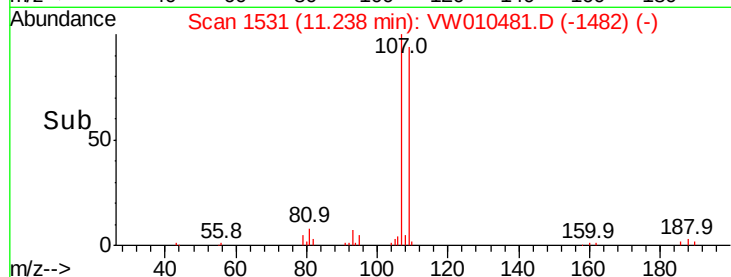
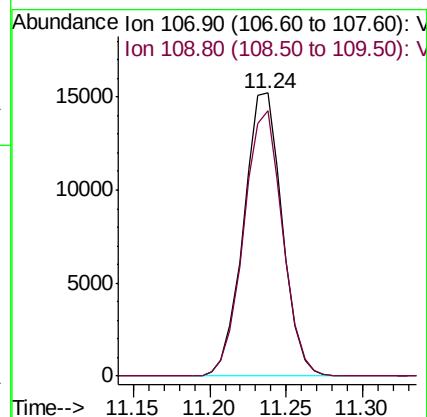
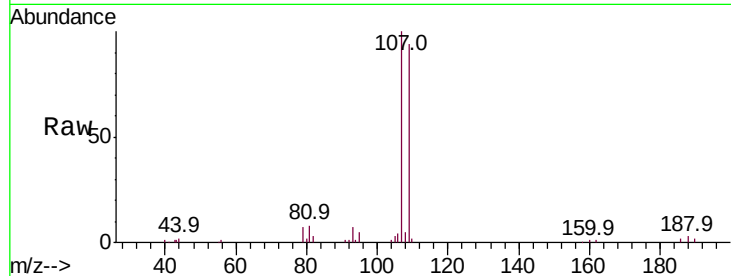
107 100

109 94.4 75.0 112.4

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#62

4-Bromofluorobenzene

Concen: 51.669 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

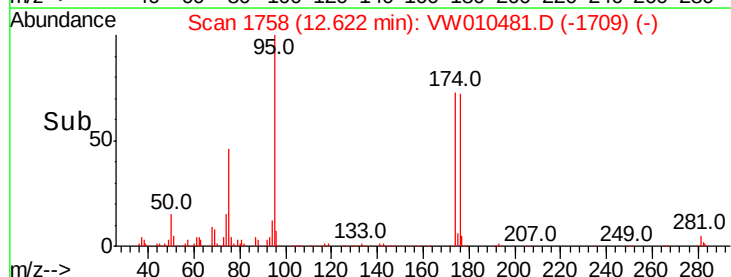
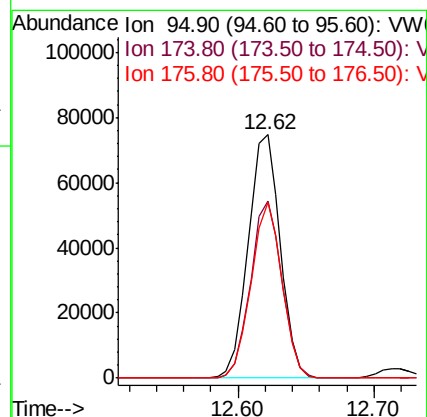
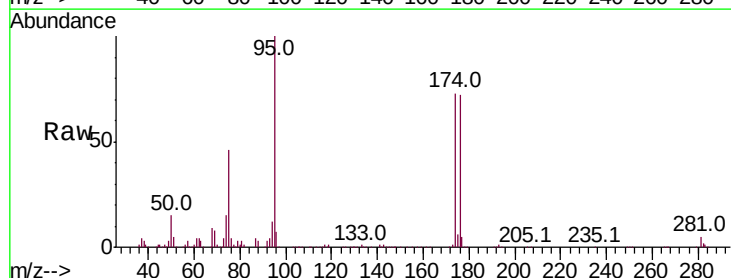
Tgt Ion: 95 Resp: 123363

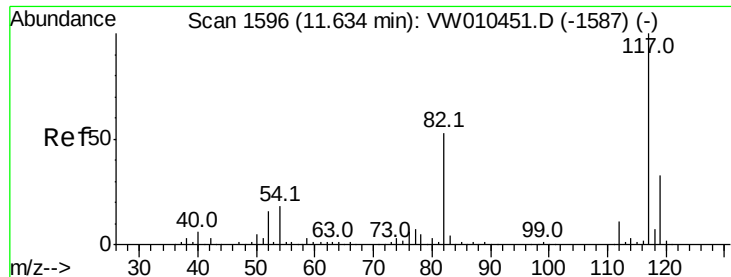
Ion Ratio Lower Upper

95 100

174 71.3 0.0 148.6

176 69.8 0.0 144.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

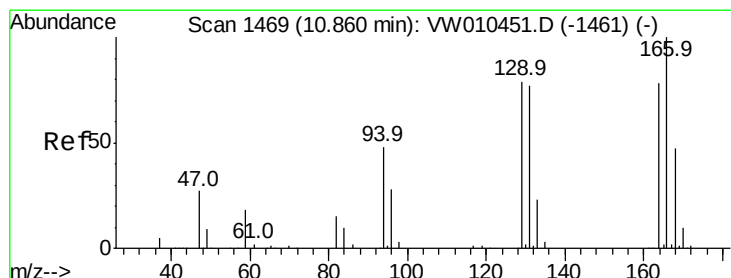
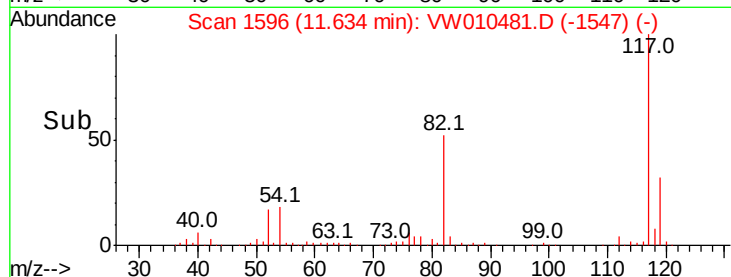
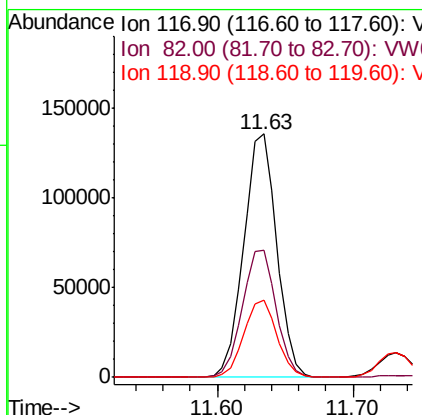
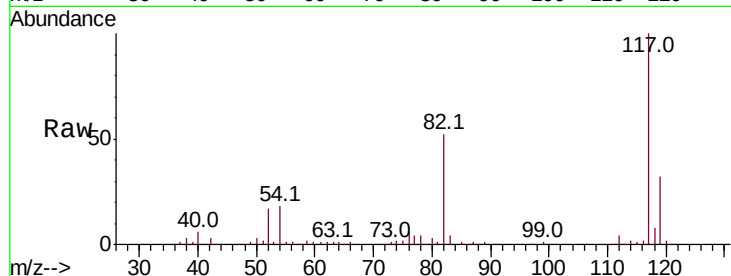
ClientSampleId :

VW0521SBSD01

Tot Ion:	117	Resp:	230797
Ion Ratio	Lower	Upper	
117	100		
82	52.0	42.8	64.2
119	31.6	26.3	39.5

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#64

Tetrachloroethene

Concen: 19.714 ug/l

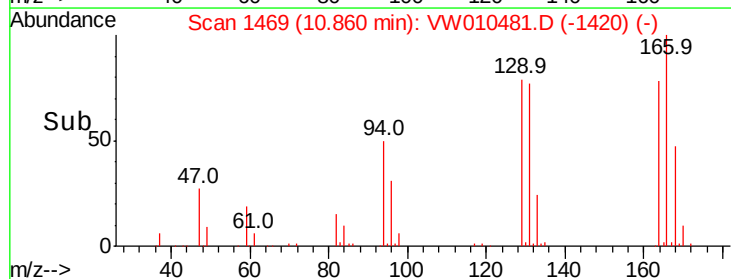
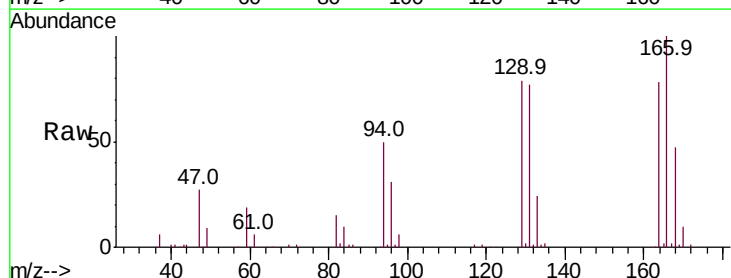
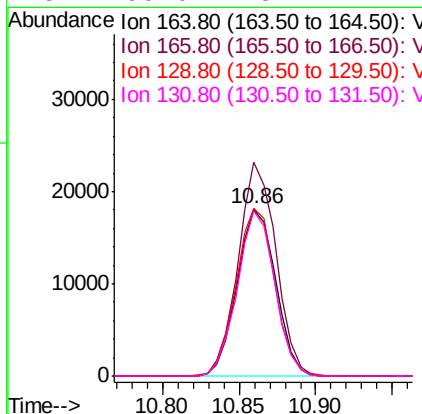
RT: 10.86 min Scan# 1469

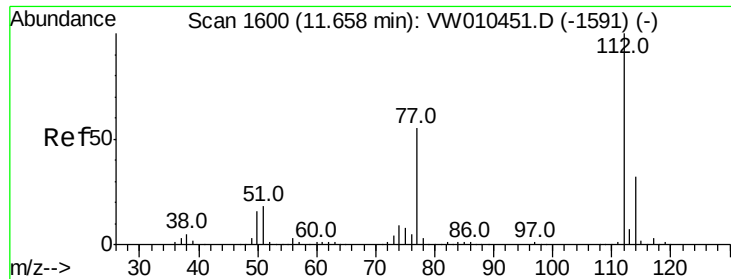
Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Tgt Ion:	164	Resp:	31718
Ion Ratio	Lower	Upper	
164	100		
166	128.2	101.9	152.9
129	100.9	80.6	121.0
131	99.0	78.2	117.2





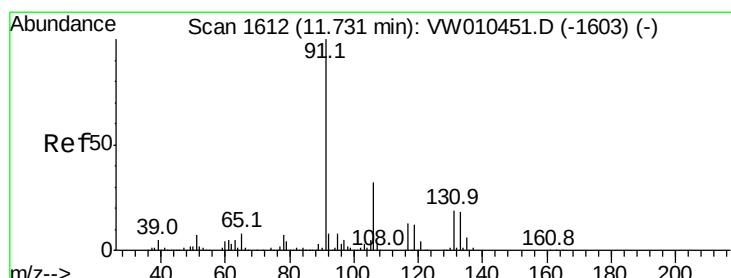
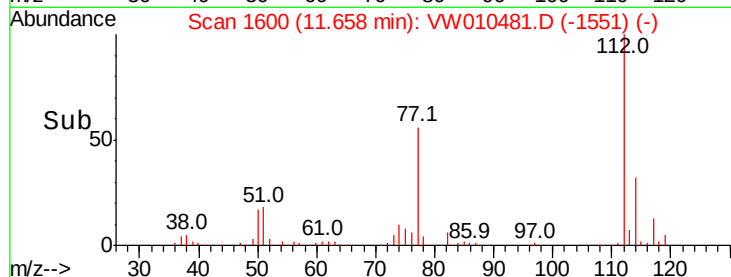
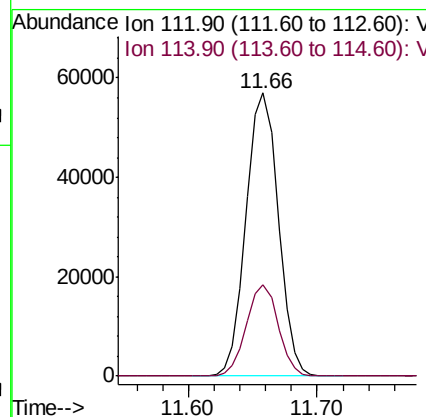
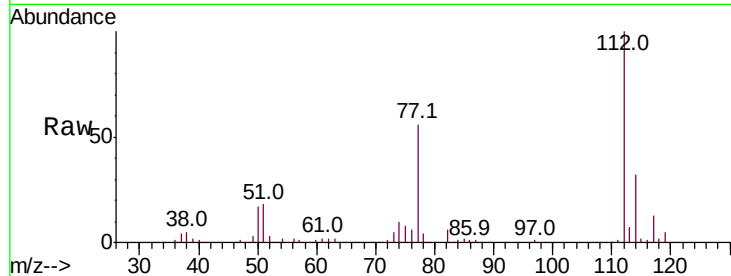
#65
Chlorobenzene
Concen: 20.056 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBSD01

Tot Ion:112 Resp: 98653
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9

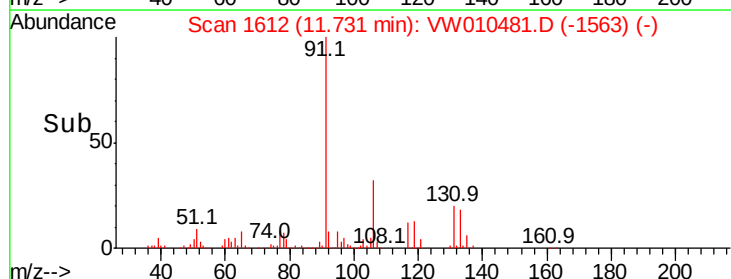
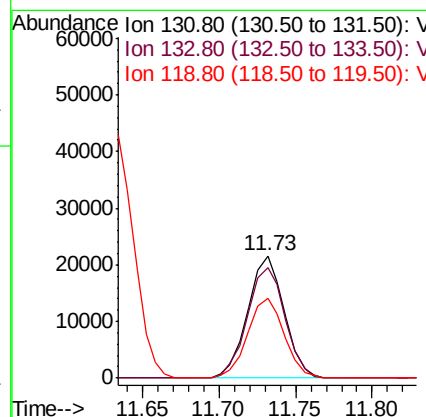
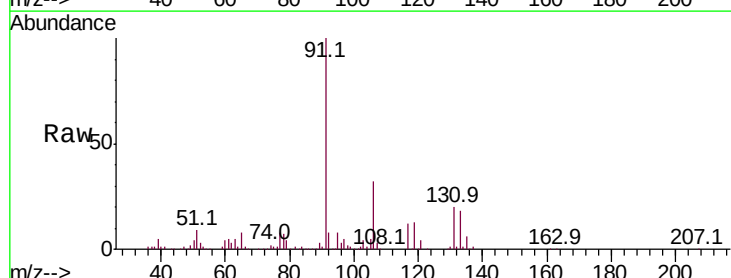
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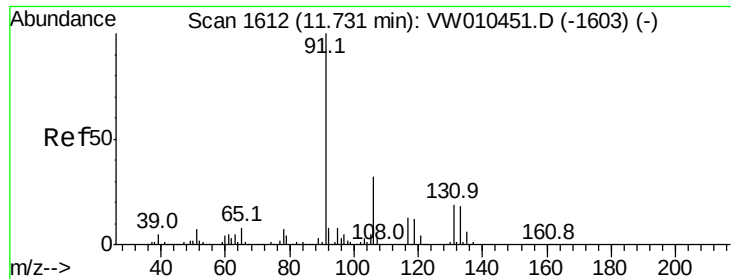
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.240 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Tgt Ion:131 Resp: 35664
Ion Ratio Lower Upper
131 100
133 94.0 47.3 141.9
119 66.0 32.1 96.5





#67

Ethyl Benzene

Concen: 20.045 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

ClientSampled :

VW0521SBSD01

Tot Ion: 91 Resp: 174075

Ion Ratio Lower Upper

91 100

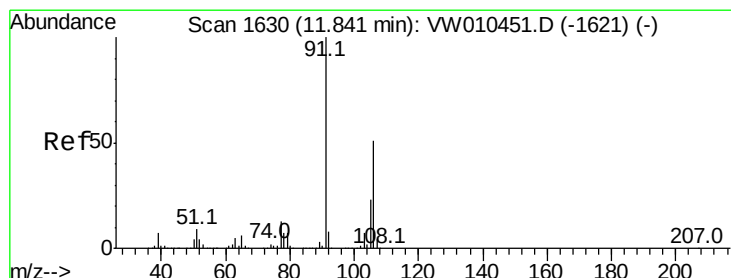
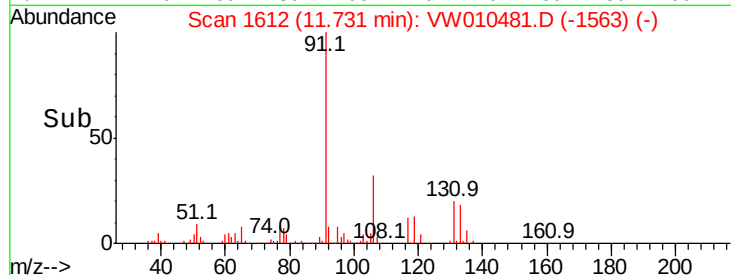
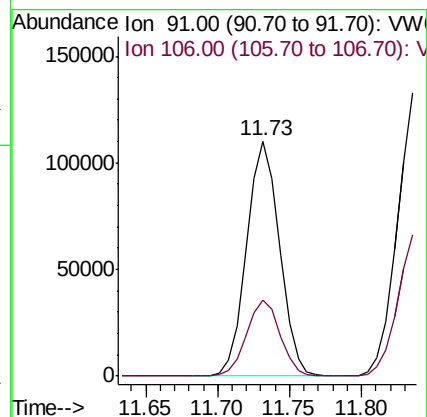
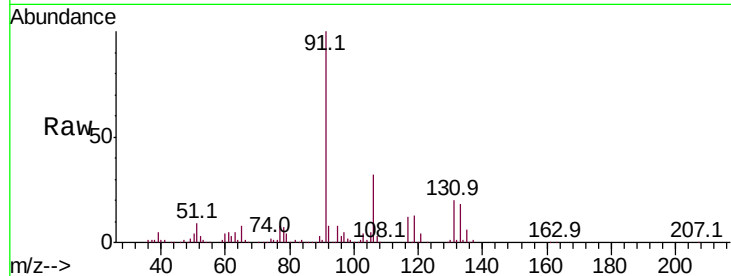
106 32.4 25.9 38.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 40.060 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW010481.D

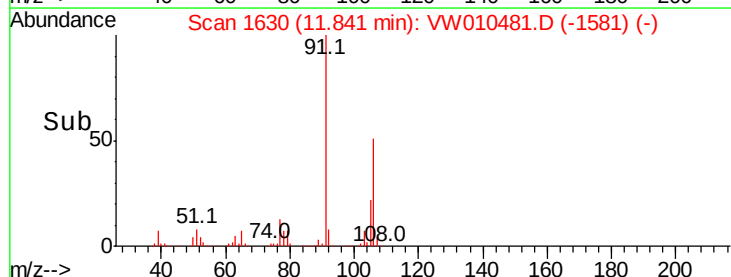
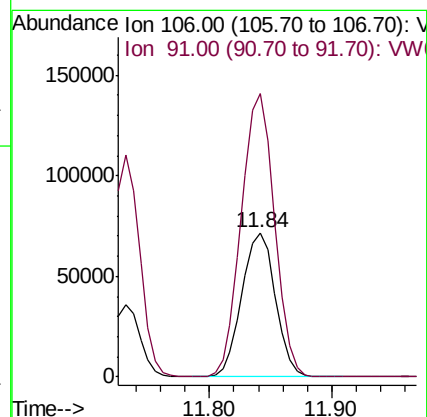
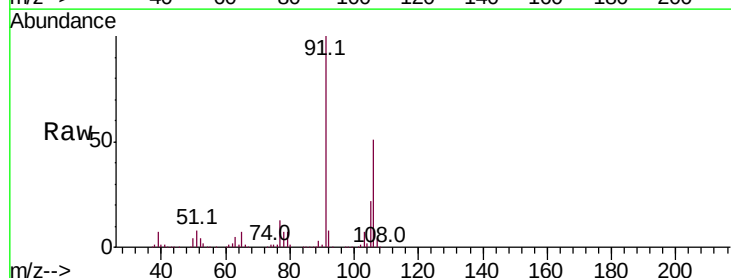
Acq: 21 May 2019 12:25

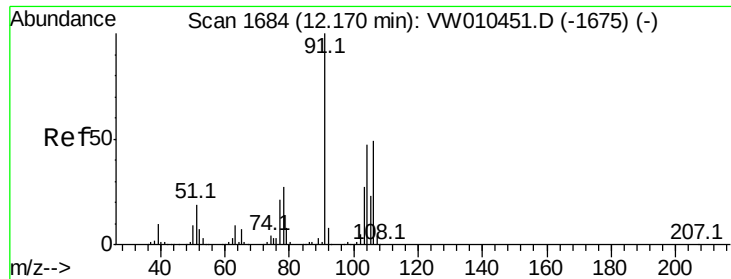
Tgt Ion: 106 Resp: 136455

Ion Ratio Lower Upper

106 100

91 194.5 156.0 234.0





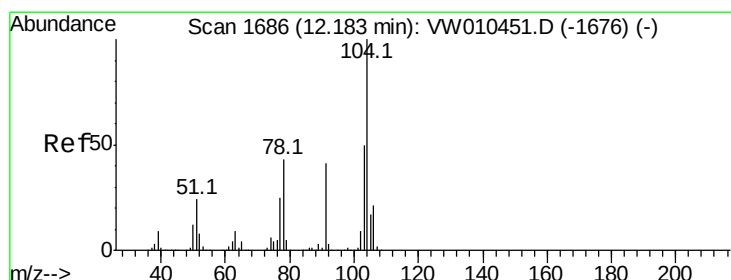
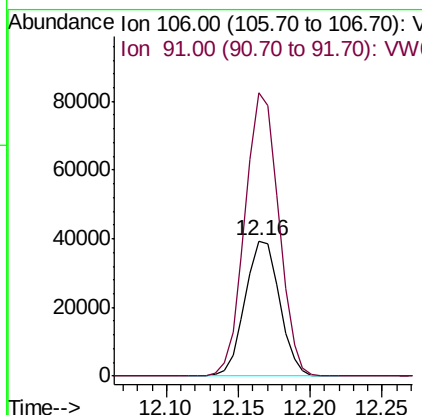
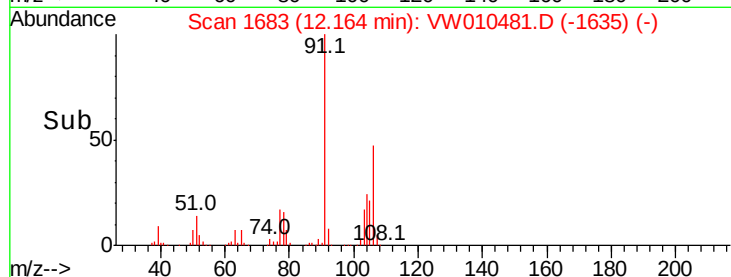
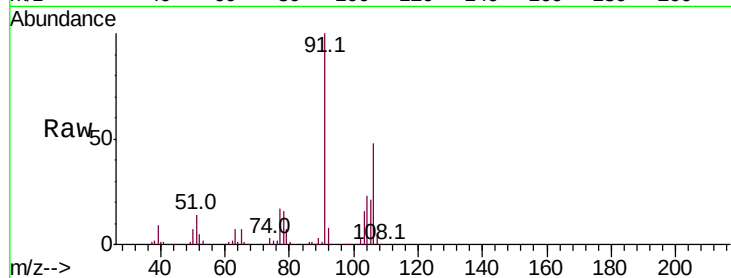
#69
o-Xylene
Concen: 20.215 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBS01

Tot Ion:106 Resp: 65240
Ion Ratio Lower Upper
106 100
91 205.6 103.2 309.4

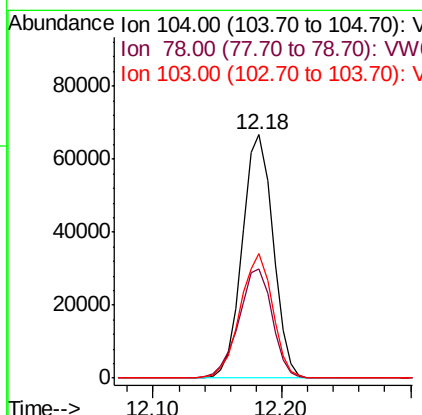
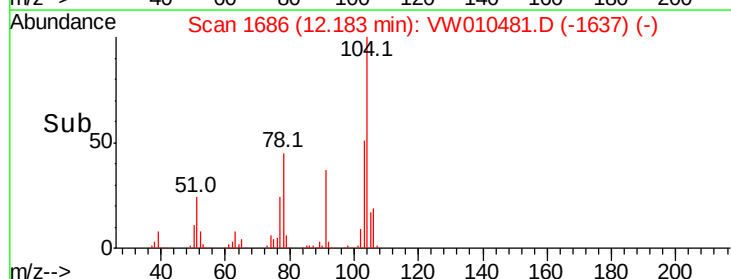
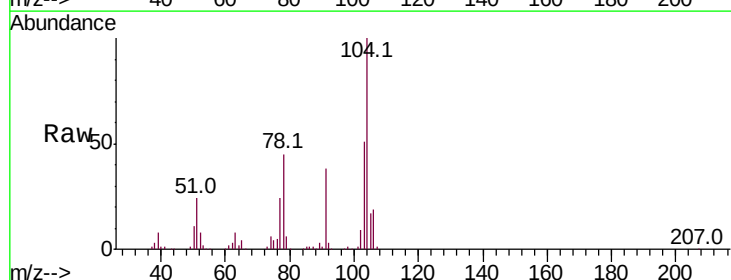
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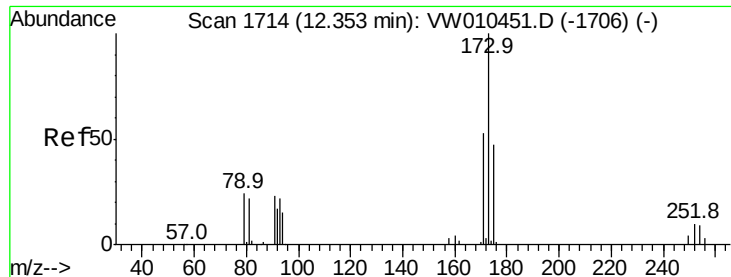
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#70
Styrene
Concen: 20.170 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Tgt Ion:104 Resp: 110445
Ion Ratio Lower Upper
104 100
78 48.8 39.0 58.4
103 53.6 43.0 64.6





#71

Bromoform

Concen: 18.163 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

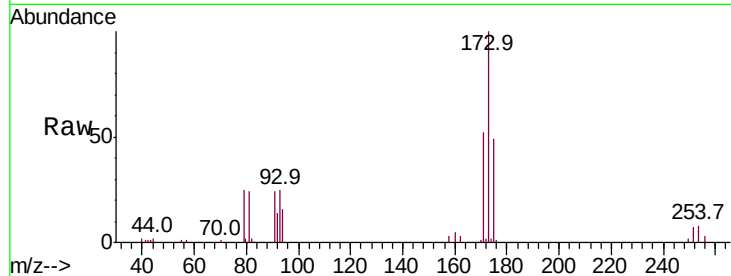
ClientSampleId :

VW0521SBSD01

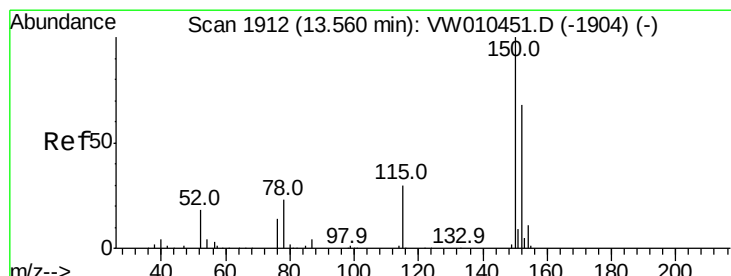
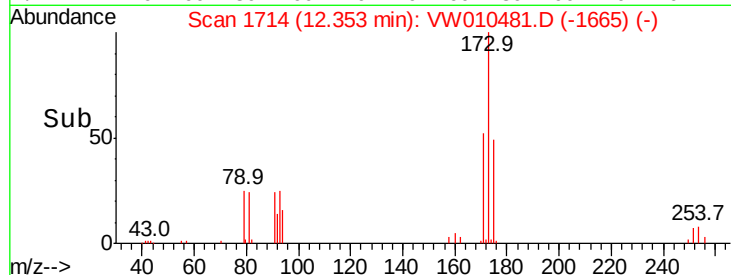
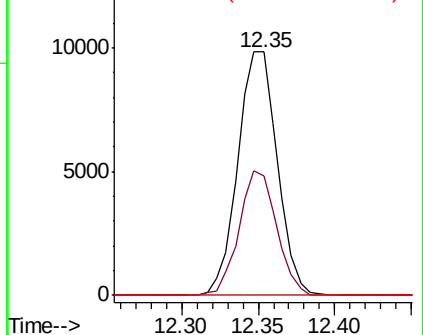
Tot Ion:	173	Resp:	17624
Ion Ratio	Lower	Upper	
173	100		
175	48.8	24.4	73.4
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

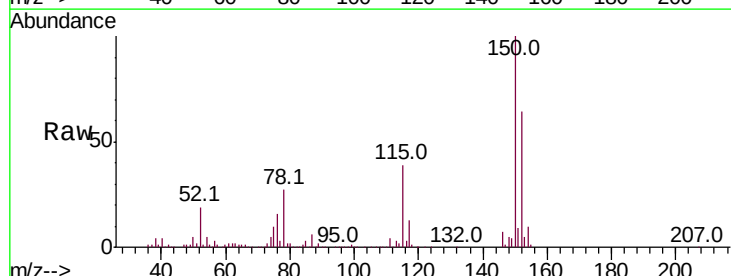
RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

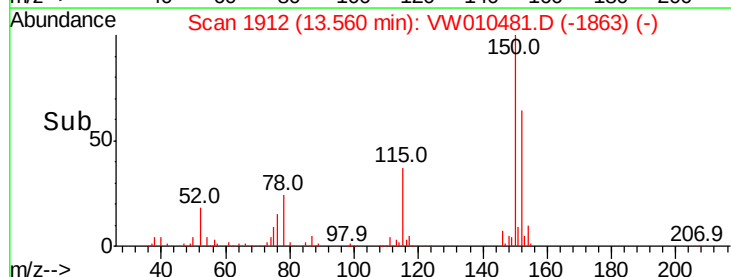
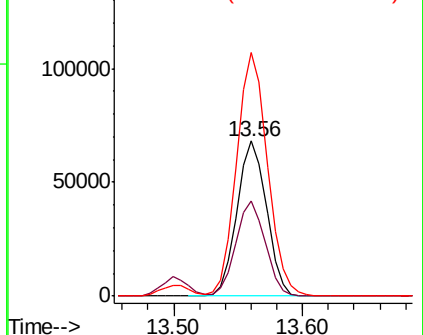
Lab File: VW010481.D

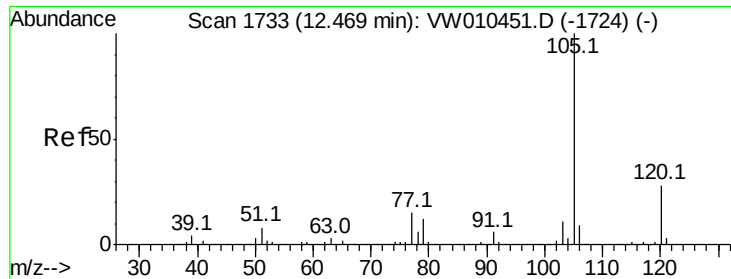
Acq: 21 May 2019 12:25

Tgt Ion:	152	Resp:	108395
Ion Ratio	Lower	Upper	
152	100		
115	60.9	30.3	91.0
150	163.6	0.0	349.8



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: 20.352 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

ClientSampleId :

VW0521SBSD01

Tot Ion:105 Resp: 175060

Ion Ratio Lower Upper

105 100

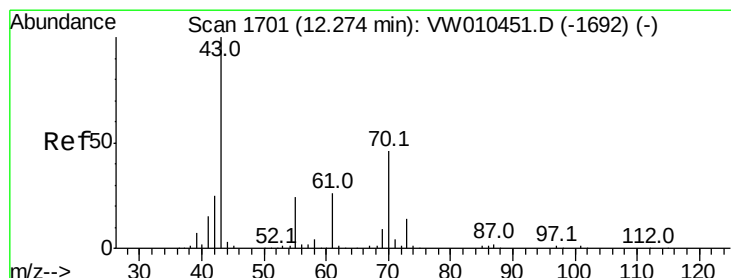
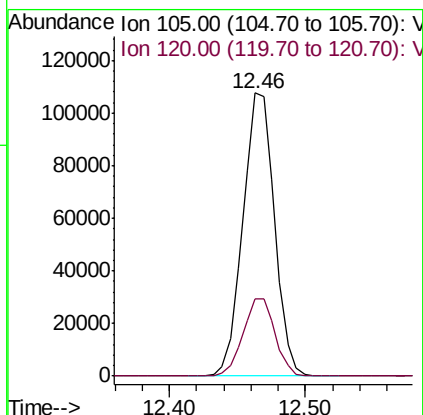
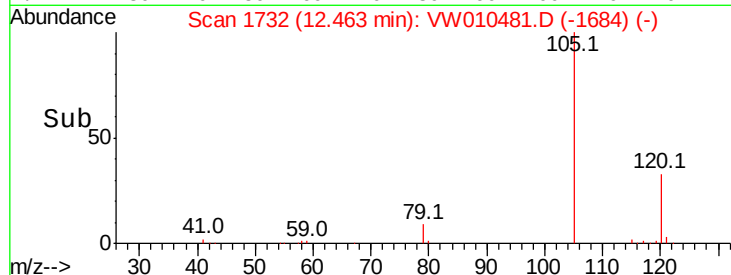
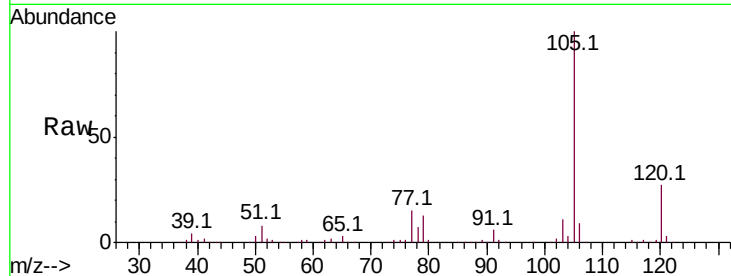
120 27.6 13.9 41.7

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#74

N-ethyl acetate

Concen: 17.939 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Tgt Ion: 43 Resp: 35360

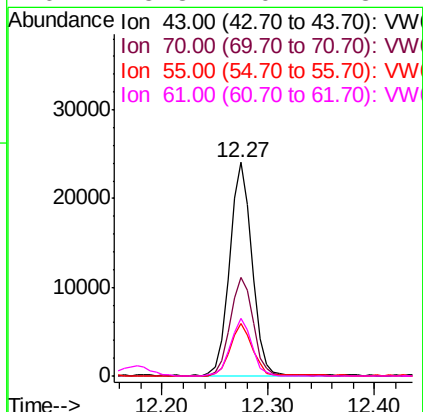
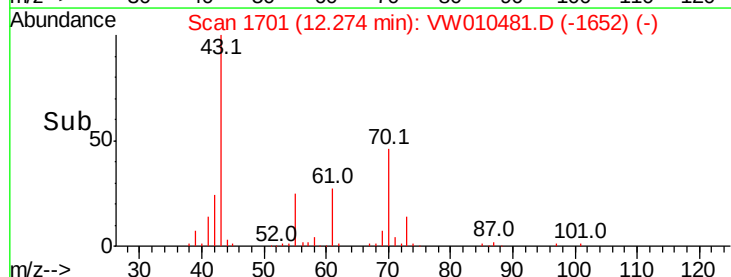
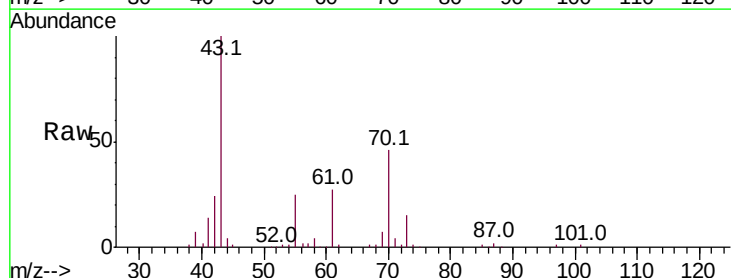
Ion Ratio Lower Upper

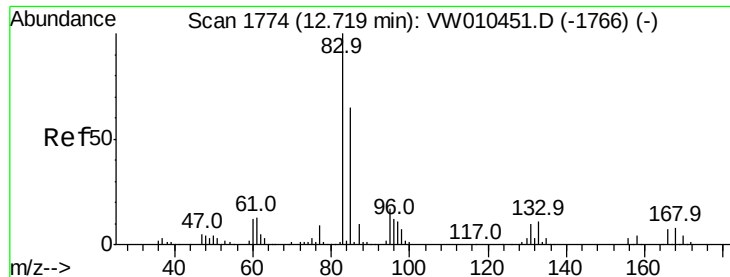
43 100

70 48.0 37.1 55.7

55 24.6 19.6 29.4

61 25.8 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.168 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

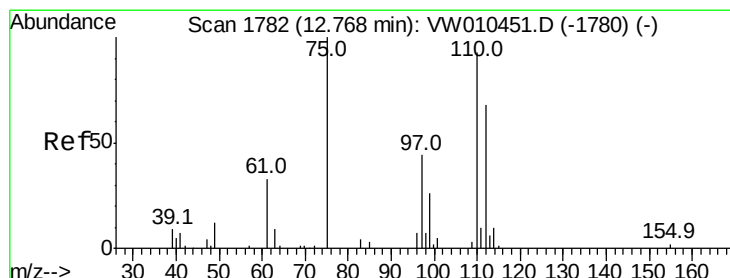
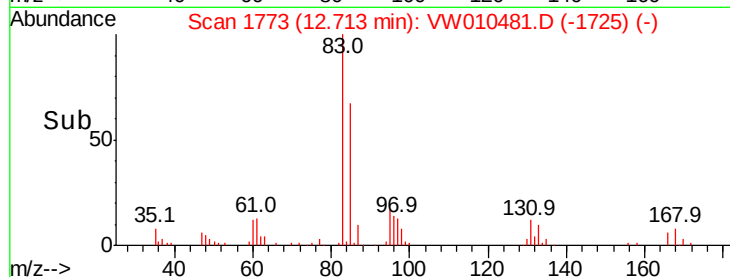
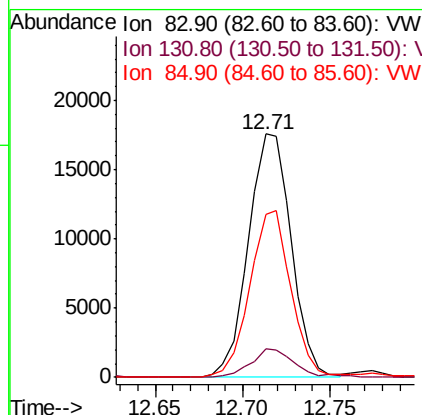
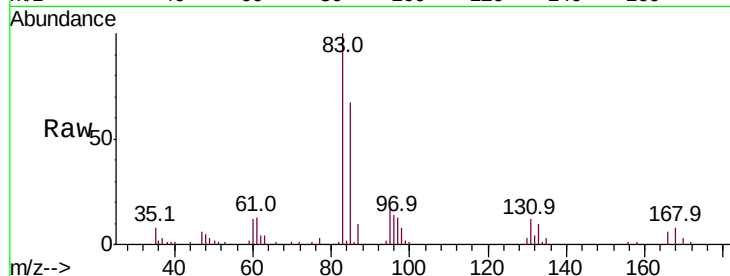
ClientSampleId :

VW0521SBSD01

Tot Ion:	83	Resp:	29988
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.6	16.8
85	65.5	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.093 ug/l m

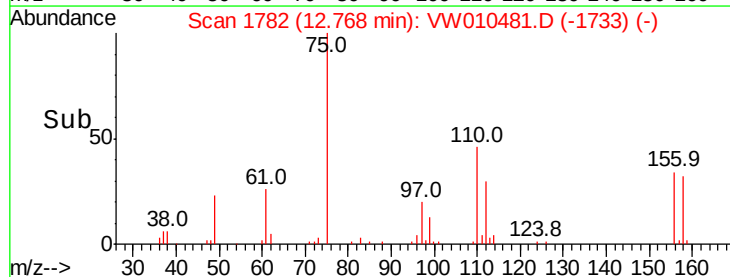
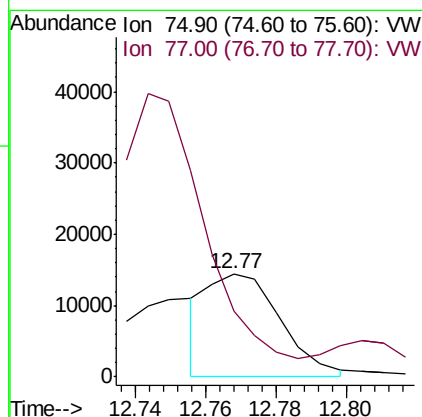
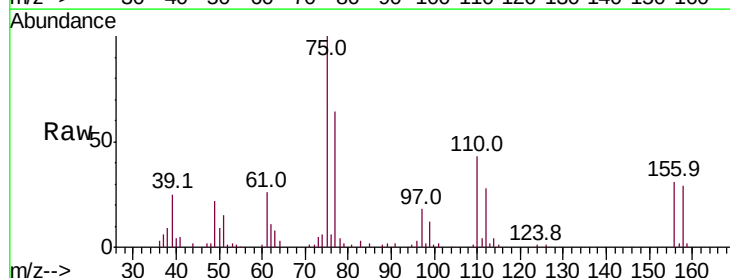
RT: 12.77 min Scan# 1782

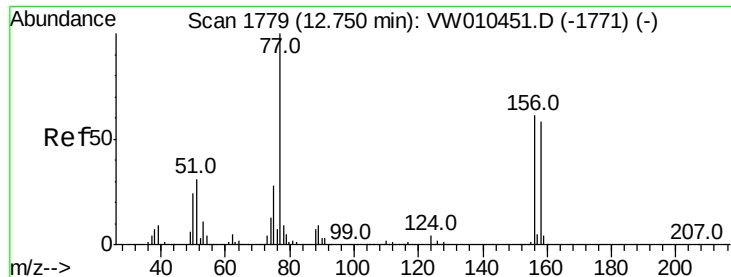
Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Tgt Ion:	75	Resp:	21008
Ion Ratio	Lower	Upper	
75	100		
77	0.0	170.0	510.1#





#77

Bromobenzene

Concen: 20.328 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

ClientSampled :

VW0521SBSD01

Tot Ion:156 Resp: 39129

Ion Ratio Lower Upper

156 100

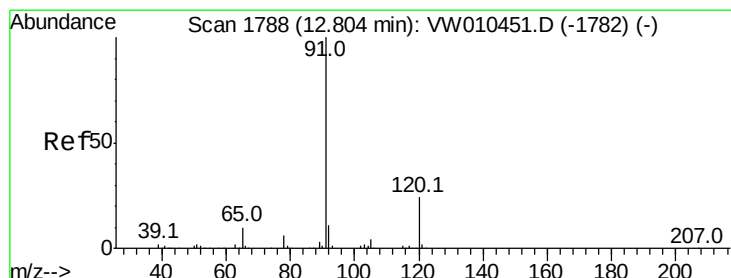
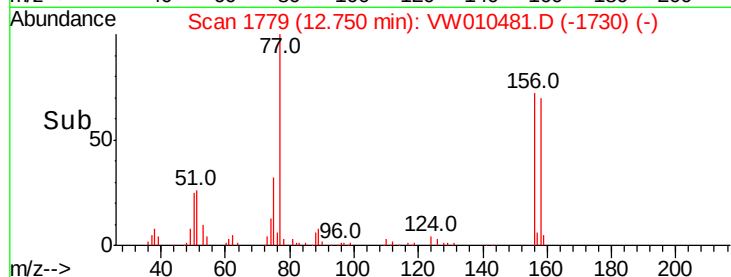
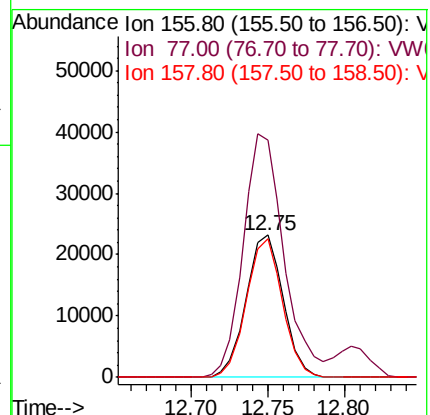
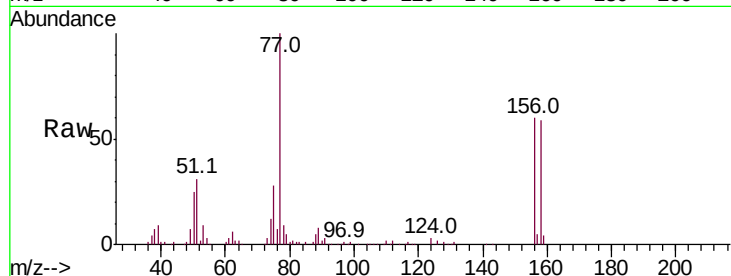
77 187.8 92.4 277.2

158 94.6 48.3 144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 20.215 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010481.D

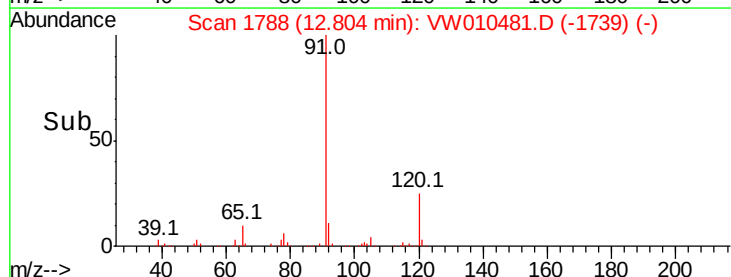
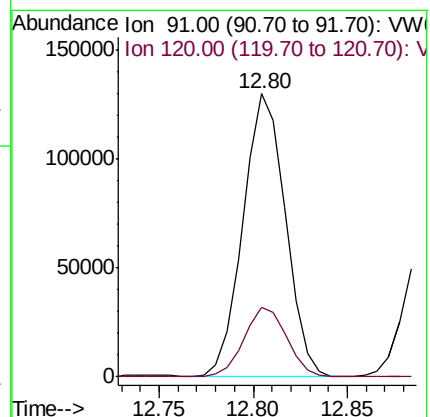
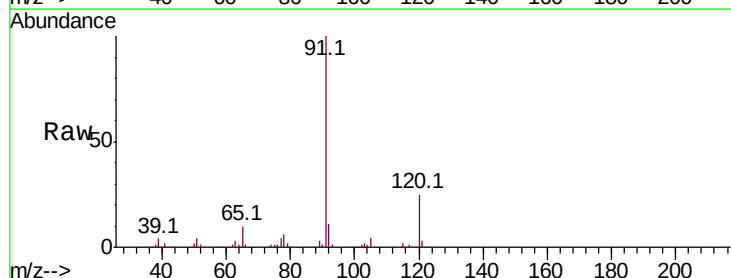
Acq: 21 May 2019 12:25

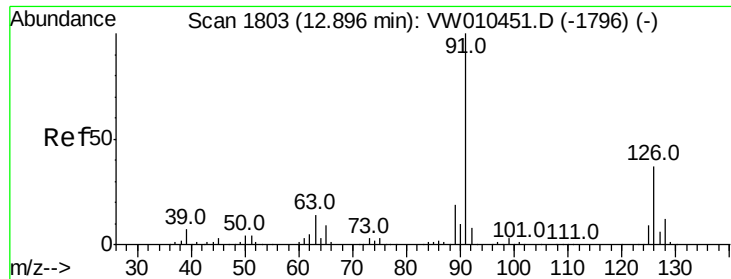
Tgt Ion: 91 Resp: 202639

Ion Ratio Lower Upper

91 100

120 24.7 12.3 36.8





#79

2-Chlorotoluene

Concen: 20.289 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Instrument :

MSVOA_W

ClientSampleId :

VW0521SBSD01

Tot Ion: 91 Resp: 117941

Ion Ratio Lower Upper

91 100

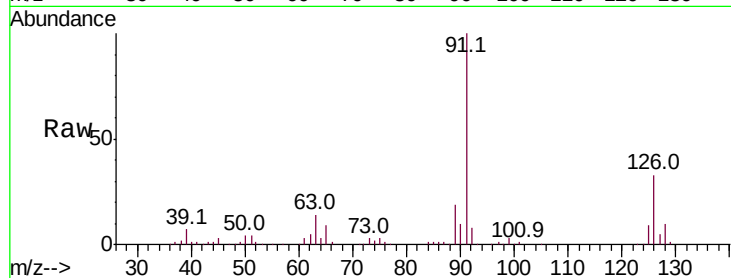
126 34.7 17.4 52.3

Manual Integrations

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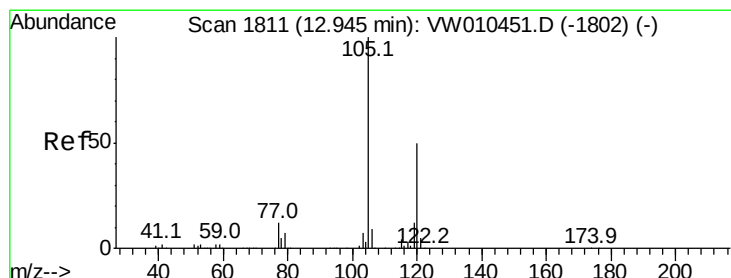
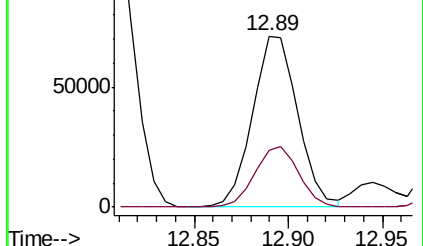
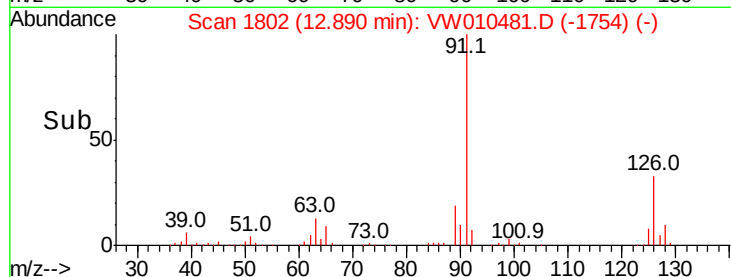
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.335 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010481.D

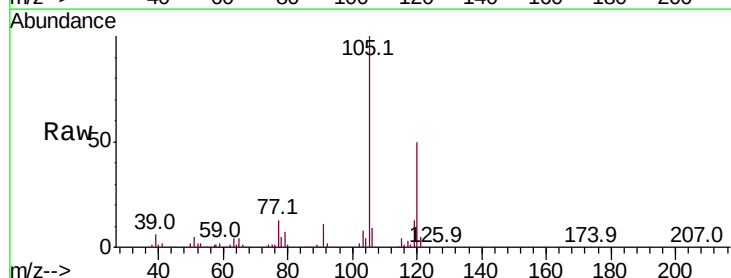
Acq: 21 May 2019 12:25

Tgt Ion:105 Resp: 148142

Ion Ratio Lower Upper

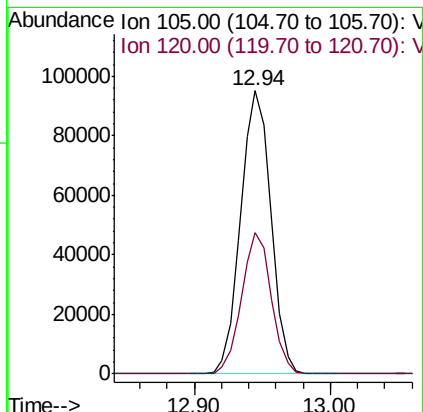
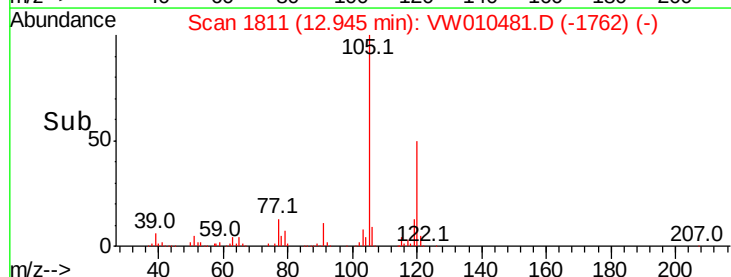
105 100

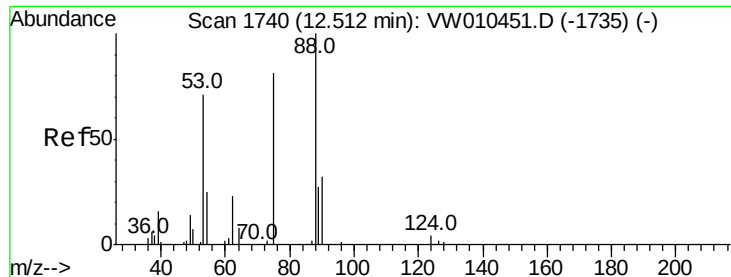
120 48.9 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





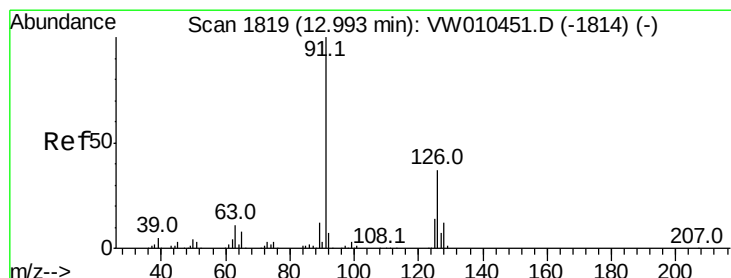
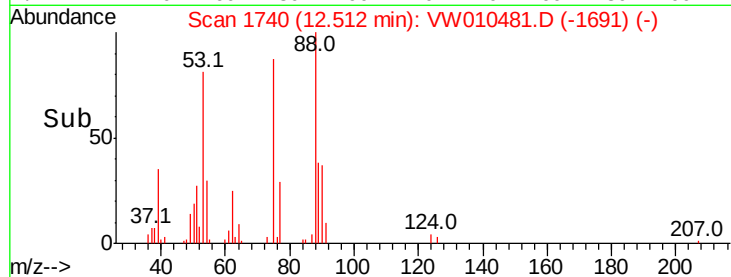
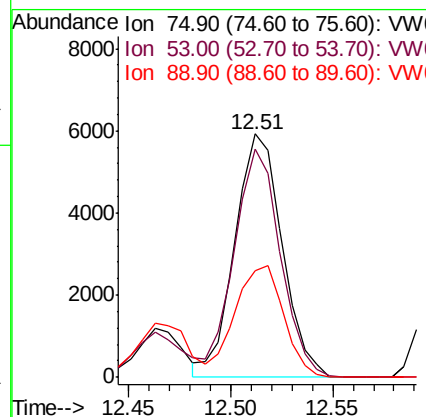
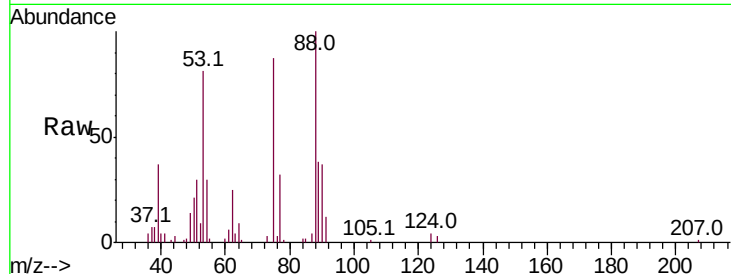
#81
trans-1,4-Dichloro-2-butene
Concen: 18.107 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.9	69.8	104.8
89	47.1	39.5	59.3

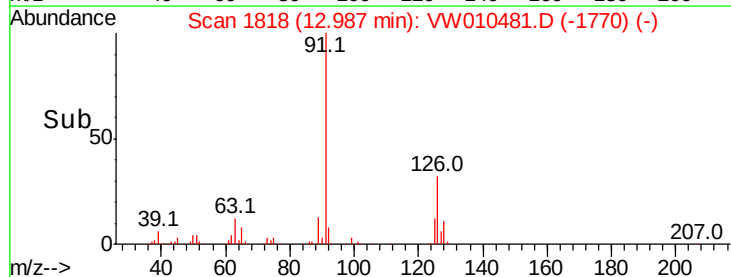
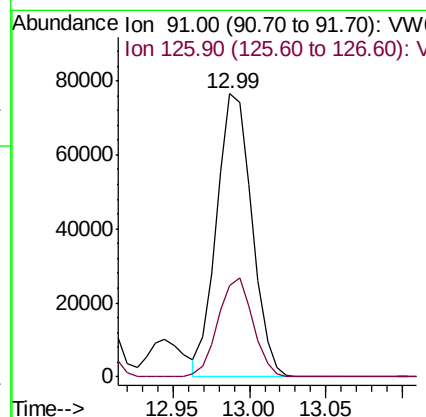
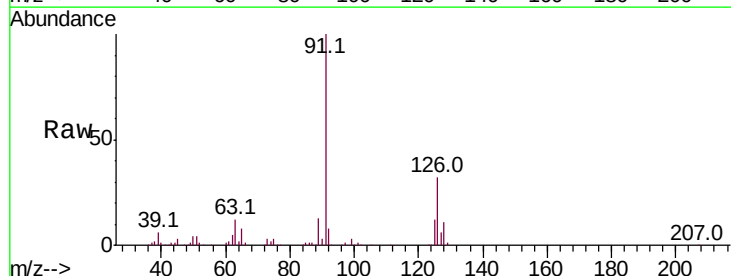
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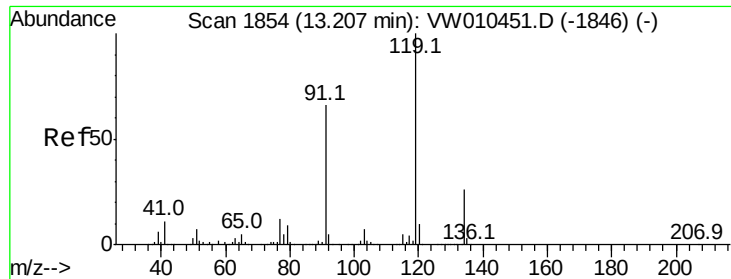
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#82
4-Chlorotoluene
Concen: 20.365 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.5	52.6





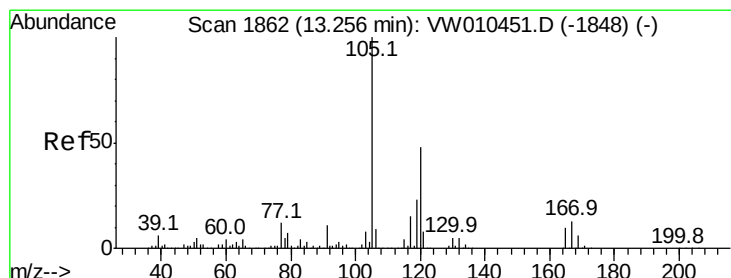
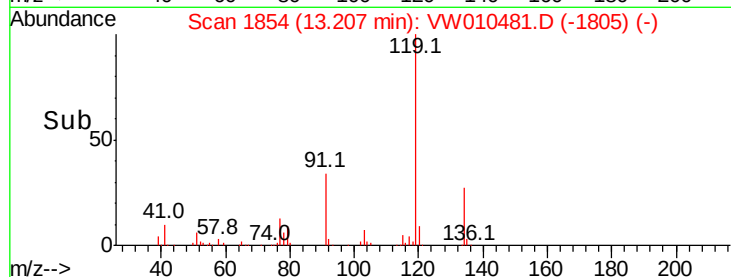
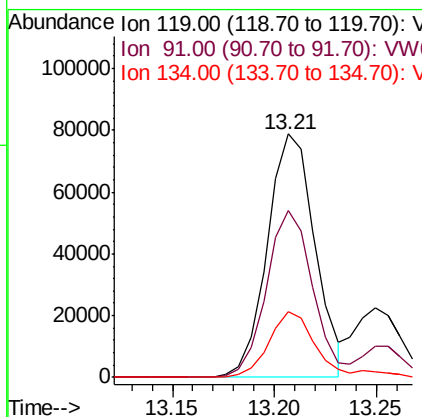
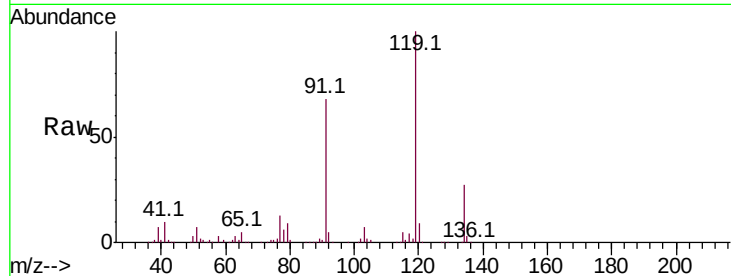
#83
tert-Butylbenzene
Concen: 20.167 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	128331		
91	67.2	33.1	99.5	
134	27.5	13.9	41.6	

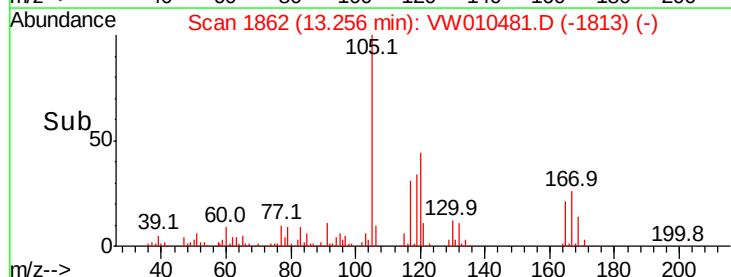
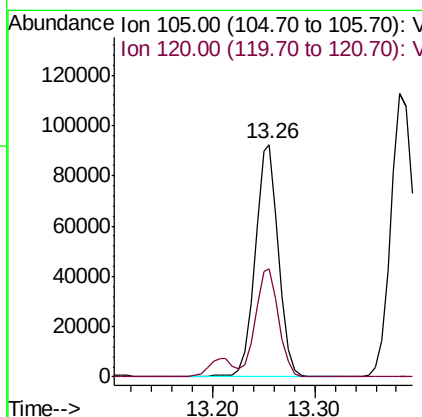
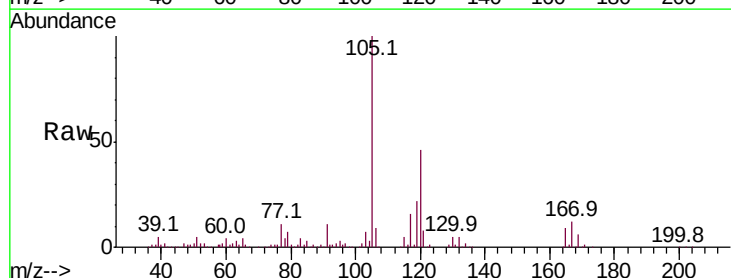
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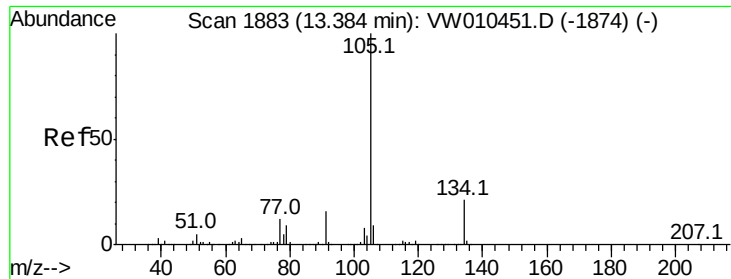
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#84
1,2,4-Trimethylbenzene
Concen: 20.153 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	146224		
120	46.5	23.4	70.2	





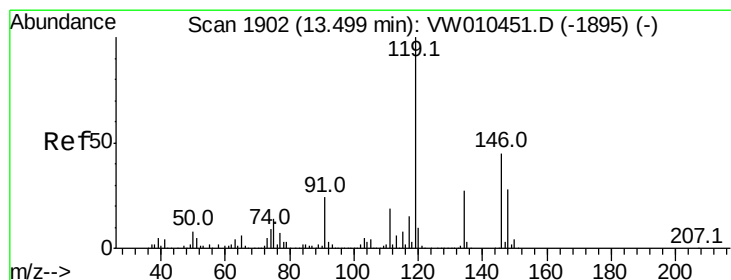
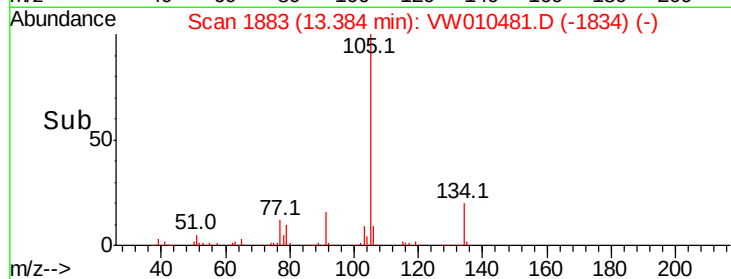
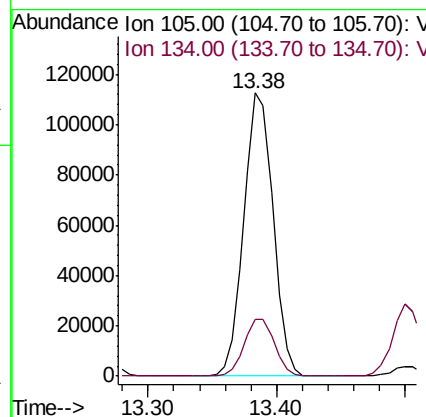
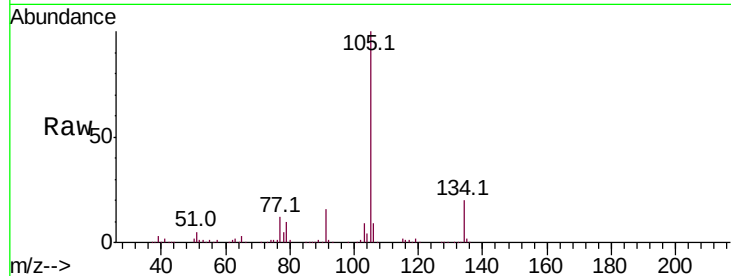
#85
 sec-Butylbenzene
 Concen: 19.812 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0521SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.5	31.6

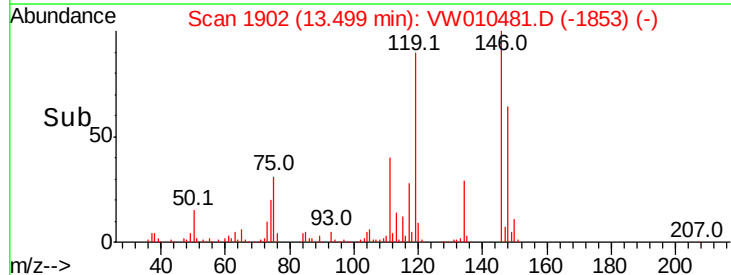
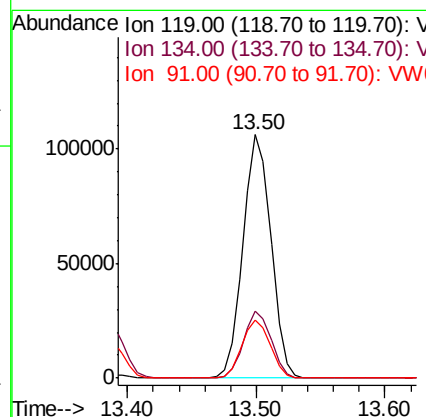
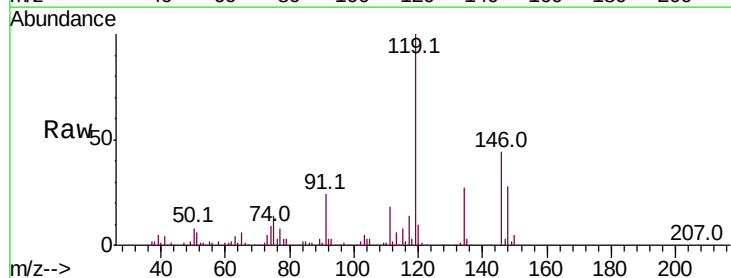
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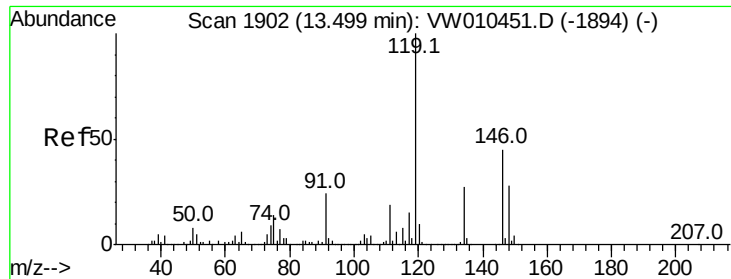
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 5/22/2019 11:55:09 AM



#86
 p-Isopropyltoluene
 Concen: 19.759 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.3	13.6	40.7
91	24.4	11.9	35.7





#87

1,3-Dichlorobenzene

Concen: 19.972 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

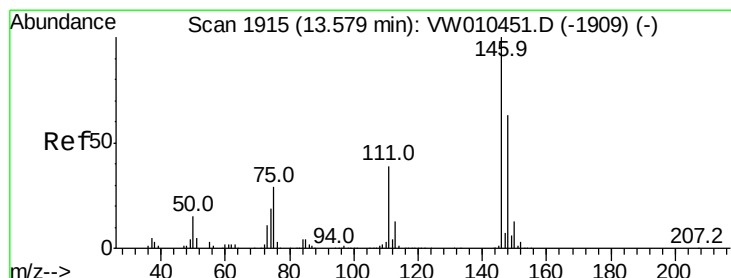
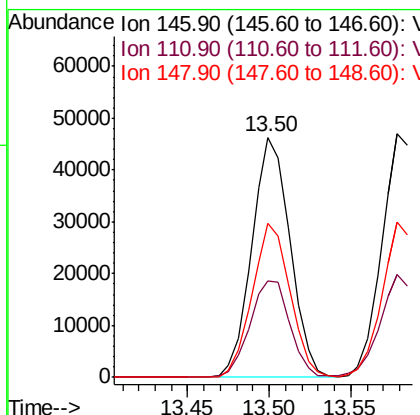
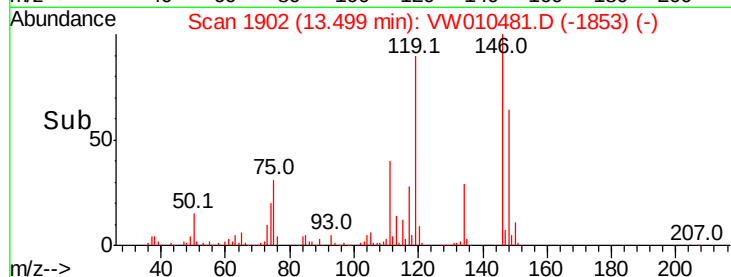
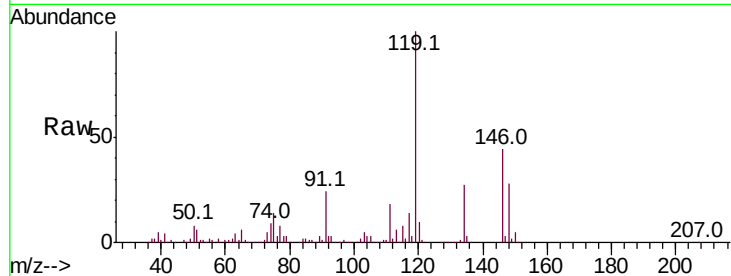
Instrument :
MSVOA_W

ClientSampleId :
VW0521SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.3	60.9
148	63.4	31.6	94.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.830 ug/l

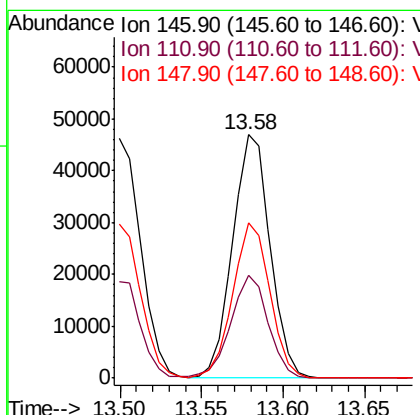
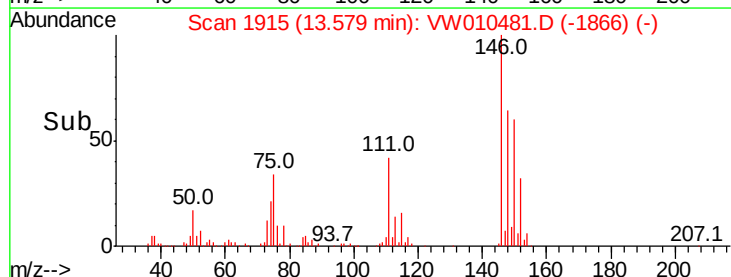
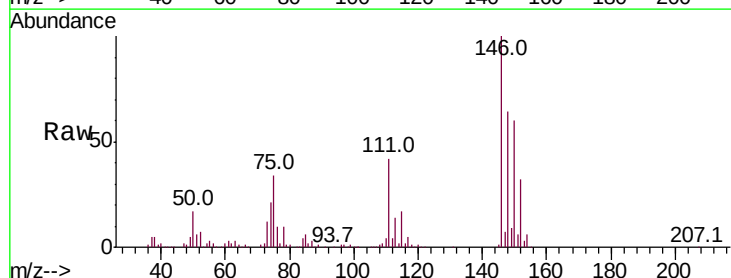
RT: 13.58 min Scan# 1915

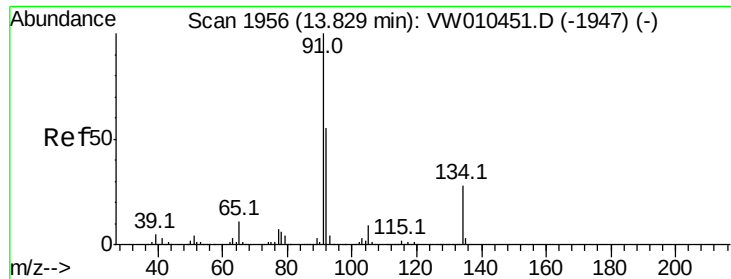
Delta R.T. 0.00 min

Lab File: VW010481.D

Acq: 21 May 2019 12:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	19.9	59.6
148	63.3	31.6	94.8





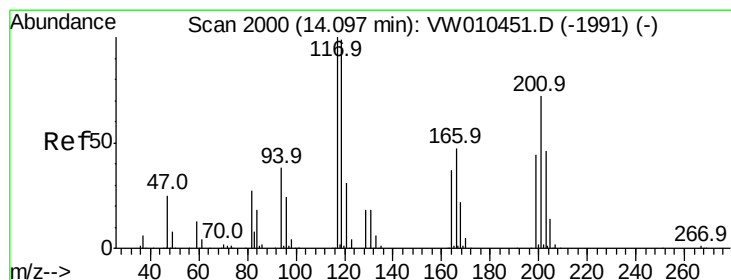
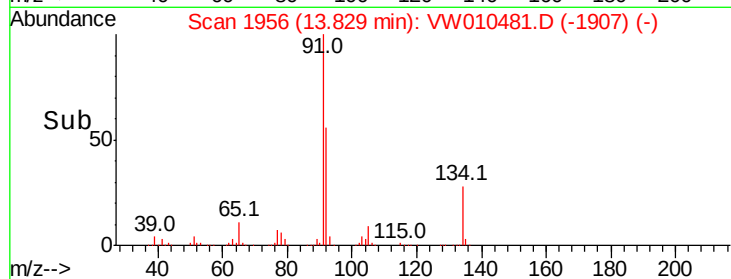
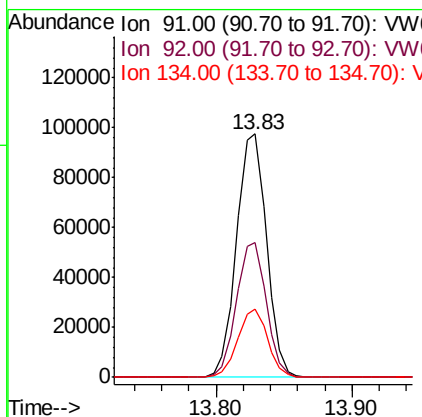
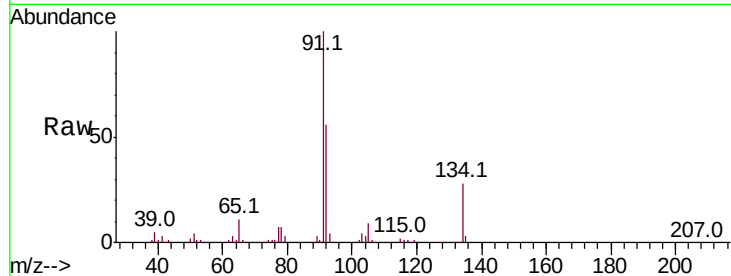
#89
n-Butylbenzene
Concen: 19.619 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.7	83.1
134	27.6	13.9	41.6

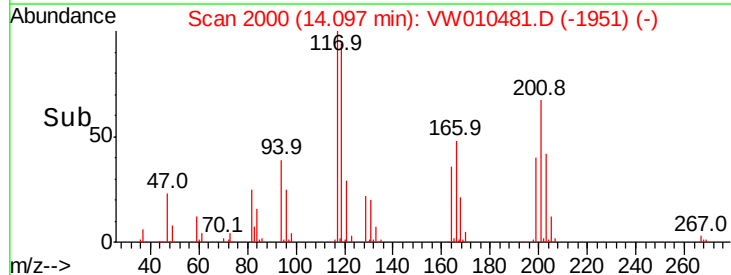
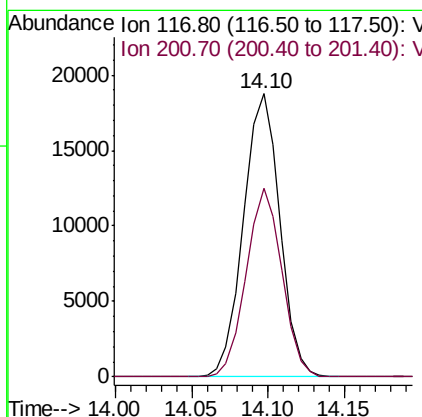
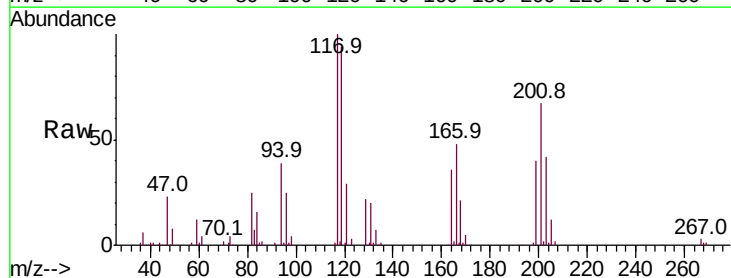
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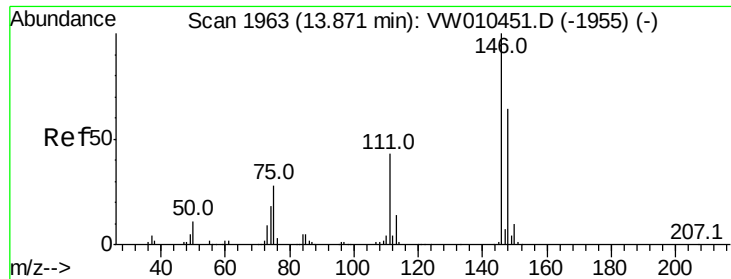
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#90
Hexachloroethane
Concen: 19.895 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.3	34.6	103.8





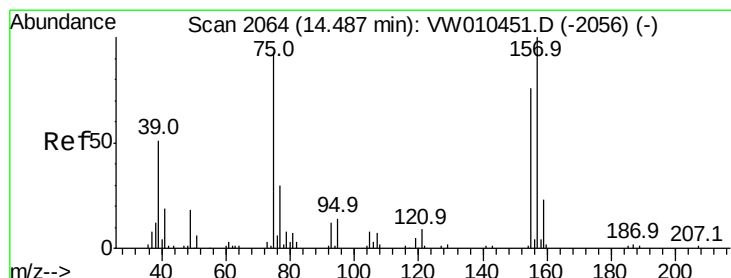
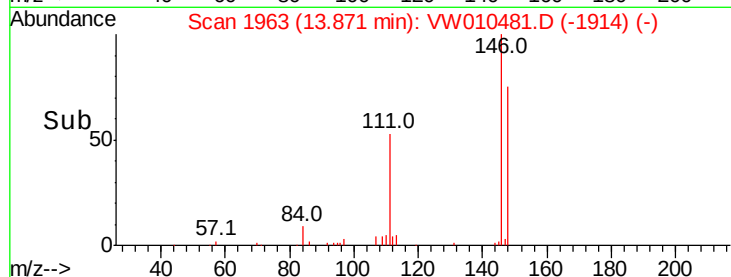
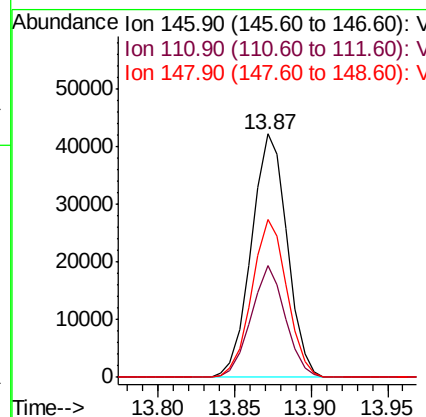
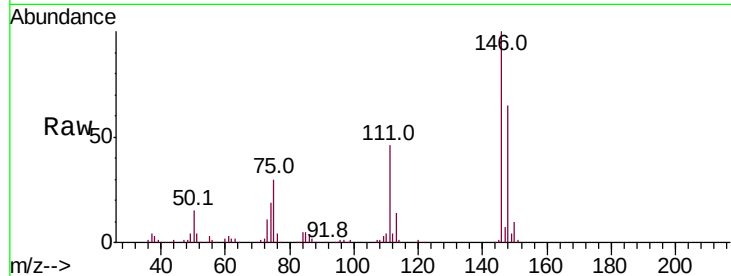
#91
 1,2-Dichlorobenzene
 Concen: 19.927 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0521SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.3	64.0
148	63.8	32.0	96.0

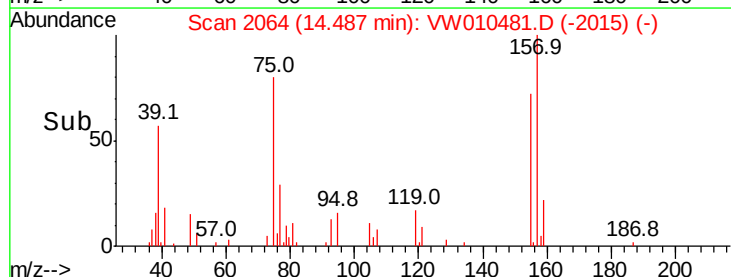
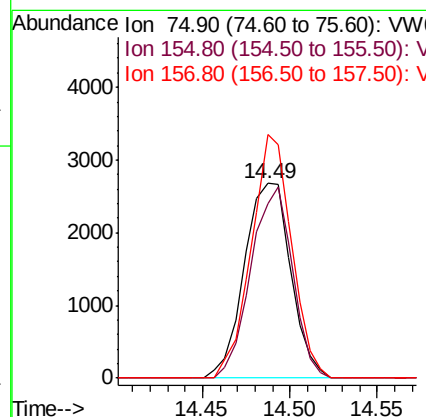
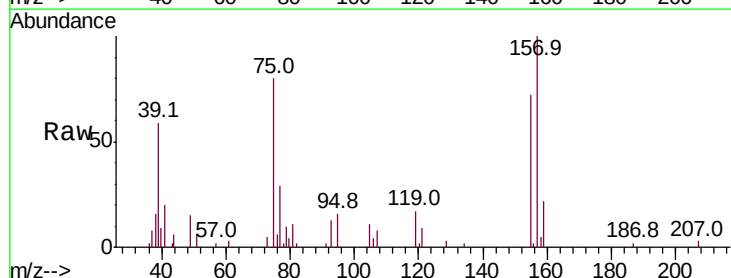
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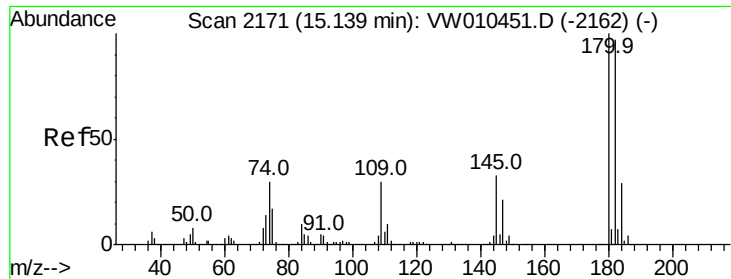
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.026 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.6	43.0	129.0
157	108.4	55.7	167.1





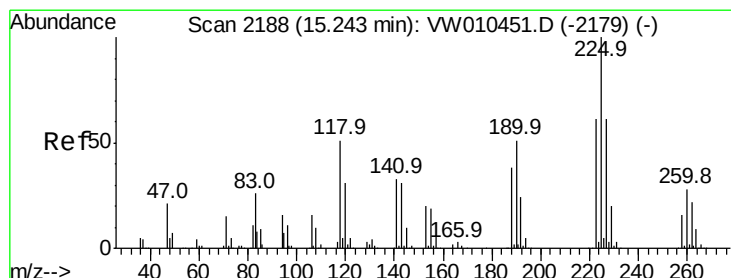
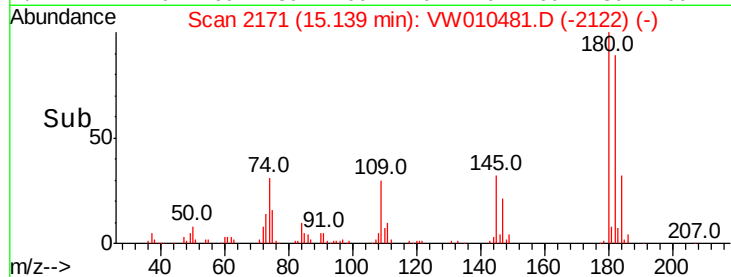
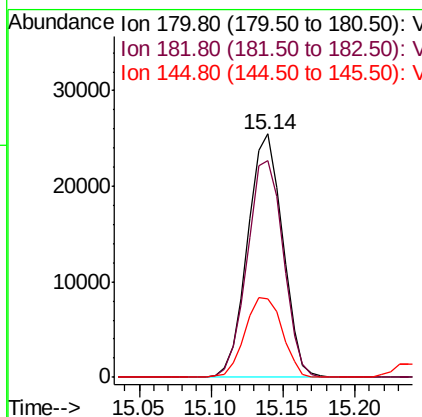
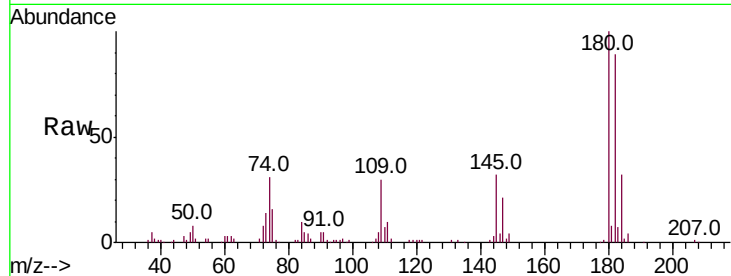
#93
 1,2,4-Trichlorobenzene
 Concen: 18.294 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0521SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	42830		
182	91.7	47.0	141.2	
145	35.0	16.7	50.0	

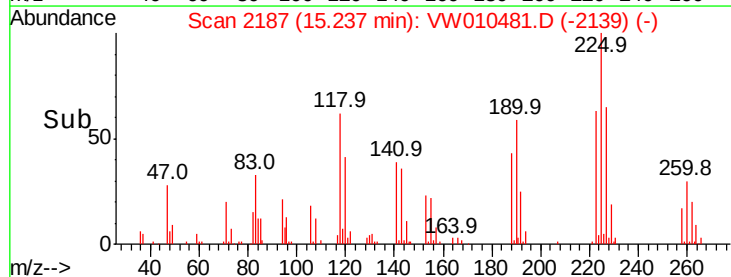
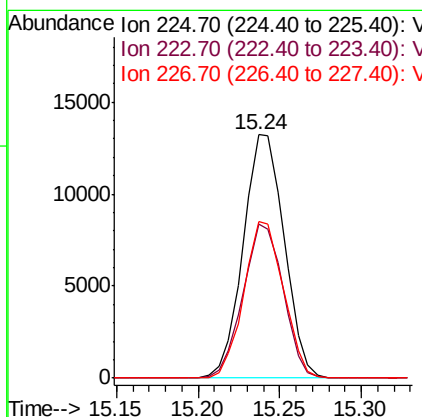
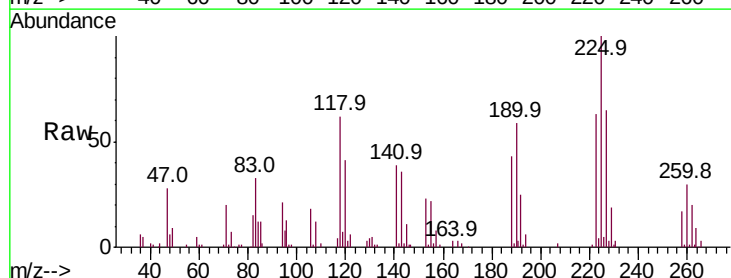
Manual Integrations
 APPROVED

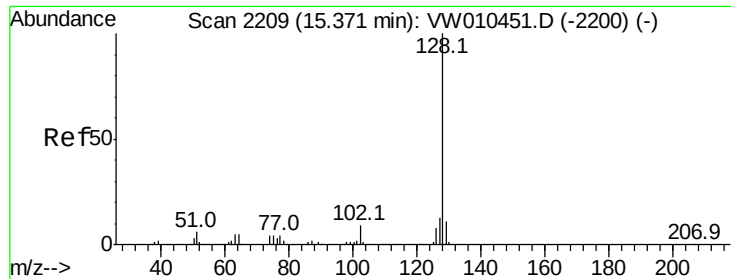
MMDadoda
 5/22/2019 11:55:09 AM



#94
 Hexachlorobutadiene
 Concen: 18.561 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010481.D
 Acq: 21 May 2019 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	23215		
223	62.0	31.1	93.2	
227	62.2	31.1	93.5	





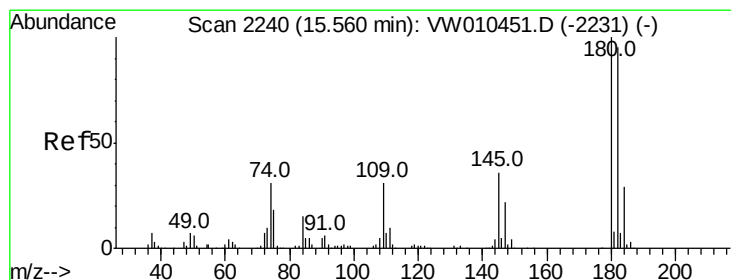
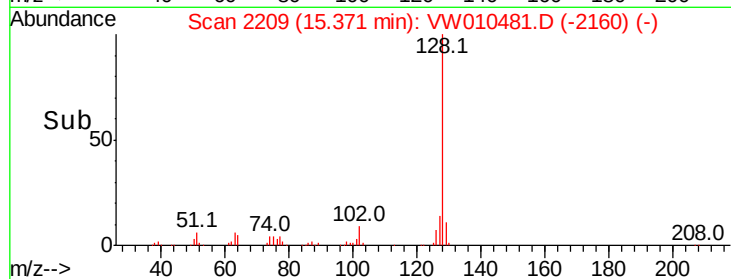
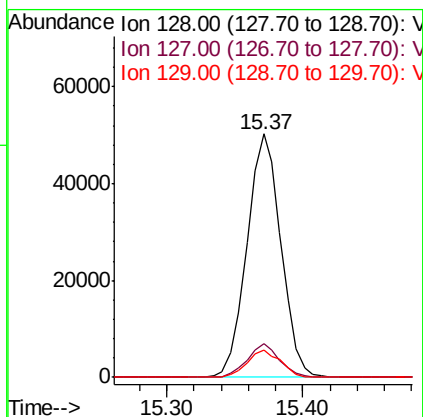
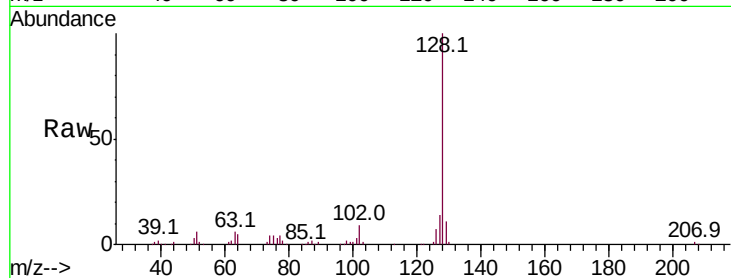
#95
Naphthalene
Concen: 17.863 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Instrument :
MSVOA_W
ClientSampleId :
VW0521SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	11.3	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/22/2019 11:55:09 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.507 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010481.D
Acq: 21 May 2019 12:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.1	141.3
145	36.5	17.4	52.3

