

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031919\
 Data File : VW009242.D
 Acq On : 19 Mar 2019 15:39
 Operator : SY/VA
 Sample : VW0319SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 3:53:09 AM

Quant Time: Mar 20 07:44:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 07:22:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	304295	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	461805	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	425835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	230271	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	152957	47.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.52%	
35) Dibromofluoromethane	7.88	113	135472	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	
50) Toluene-d8	10.32	98	502446	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	
62) 4-Bromofluorobenzene	12.62	95	188992	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.01	85	43012	22.413	ug/l	100
3) Chloromethane	2.21	50	46863	21.245	ug/l	96
4) Vinyl Chloride	2.37	62	67602	20.881	ug/l	96
5) Bromomethane	2.78	94	55842	21.151	ug/l	97
6) Chloroethane	2.93	64	53805	21.421	ug/l	95
7) Trichlorofluoromethane	3.26	101	44882	21.162	ug/l	96
8) Diethyl Ether	3.67	74	29897	19.547	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	60214	19.600	ug/l	95
10) Methyl Iodide	4.27	142	89269	20.157	ug/l	99
11) Tert butyl alcohol	5.17	59	20119	107.068	ug/l	99
12) 1,1-Dichloroethene	4.03	96	58901	20.282	ug/l	95
13) Acrolein	3.89	56	13804	90.000	ug/l	96
14) Allyl chloride	4.67	41	89330	20.865	ug/l	98
15) Acrylonitrile	5.36	53	64797	100.804	ug/l	99
16) Acetone	4.12	43	72487	109.157	ug/l	98
17) Carbon Disulfide	4.37	76	165793	20.478	ug/l	97
18) Methyl Acetate	4.67	43	31498	18.482	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	74088	20.786	ug/l	97
20) Methylene Chloride	4.92	84	60410	20.157	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	59987	20.077	ug/l	98
22) Diisopropyl ether	6.31	45	183249	19.854	ug/l	99
23) Vinyl Acetate	6.25	43	592203	102.261	ug/l	98
24) 1,1-Dichloroethane	6.21	63	111643	19.600	ug/l	100
25) 2-Butanone	7.17	43	99089	104.137	ug/l	99
26) 2,2-Dichloropropane	7.16	77	66743	20.970	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	64101	19.803	ug/l	97
28) Bromochloromethane	7.51	49	48350	19.352	ug/l	99
29) Tetrahydrofuran	7.52	42	59572	98.497	ug/l	97
30) Chloroform	7.67	83	114814	19.372	ug/l	97
31) Cyclohexane	7.95	56	106460	20.047	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	94643	20.006	ug/l	98
36) 1,1-Dichloropropene	8.08	75	89968	19.578	ug/l	97
37) Ethyl Acetate	7.25	43	42074	20.064	ug/l	98
38) Carbon Tetrachloride	8.06	117	93988	19.326	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	105033	19.755	ug/l	90
40) Benzene	8.32	78	245468	19.698	ug/l	99
41) Methacrylonitrile	7.48	41	23980	21.218	ug/l #	88
42) 1,2-Dichloroethane	8.40	62	79858	19.604	ug/l	99
43) Isopropyl Acetate	8.42	43	81874	19.499	ug/l	100
44) Trichloroethene	9.09	130	66099	19.362	ug/l	100
45) 1,2-Dichloropropane	9.37	63	61523	19.421	ug/l	96
46) Dibromomethane	9.46	93	34416	19.756	ug/l	96
47) Bromodichloromethane	9.64	83	84531	19.202	ug/l	98
48) Methyl methacrylate	9.43	41	38299	19.701	ug/l	95
49) 1,4-Dioxane	9.45	88	11144	412.435	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	217077	99.197	ug/l	100
52) Toluene	10.38	92	156604	19.833	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	83450	19.440	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	92928	19.242	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	45959	19.484	ug/l	94
56) Ethyl methacrylate	10.65	69	55149	19.634	ug/l	98
57) 1,3-Dichloropropane	10.93	76	80559	19.801	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	143277	174.335	ug/l	100
59) 2-Hexanone	10.97	43	150540	101.329	ug/l	98
60) Dibromochloromethane	11.13	129	55928	19.191	ug/l	99
61) 1,2-Dibromoethane	11.24	107	44812	19.946	ug/l	99
64) Tetrachloroethene	10.86	164	54300	18.619	ug/l	98
65) Chlorobenzene	11.66	112	170677	19.380	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	61702	18.757	ug/l	98
67) Ethyl Benzene	11.73	91	298933	19.597	ug/l	99
68) m/p-Xylenes	11.84	106	234128	39.599	ug/l	100
69) o-Xylene	12.16	106	107150	19.516	ug/l	98
70) Styrene	12.18	104	175181	19.352	ug/l	99
71) Bromoform	12.35	173	33535	18.664	ug/l #	98
73) Isopropylbenzene	12.47	105	304429	19.780	ug/l	100
74) N-amyl acetate	12.27	43	78021	19.434	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	56574	19.650	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	38784m	17.923	ug/l	
77) Bromobenzene	12.75	156	69781	19.141	ug/l	99
78) n-propylbenzene	12.80	91	376241	19.904	ug/l	99
79) 2-Chlorotoluene	12.90	91	208918	19.456	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	259107	19.796	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	18008	20.420	ug/l	98
82) 4-Chlorotoluene	12.99	91	224392	19.836	ug/l	100
83) tert-Butylbenzene	13.21	119	222329	19.877	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	270392	20.151	ug/l	98
85) sec-Butylbenzene	13.38	105	331187	20.037	ug/l	100
86) p-Isopropyltoluene	13.50	119	293598	19.948	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	150601	19.962	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	145910	19.424	ug/l	99
89) n-Butylbenzene	13.83	91	286758	20.296	ug/l	100
90) Hexachloroethane	14.10	117	55644	19.175	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	131158	19.388	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10320	20.019	ug/l	96

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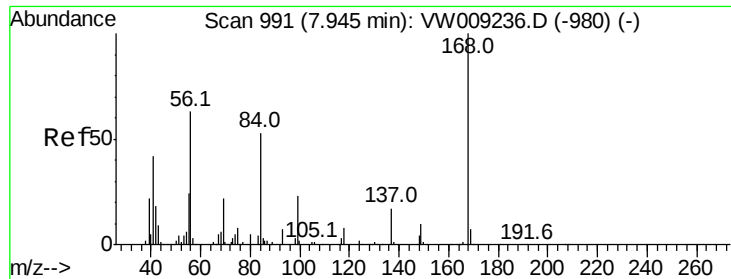
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	92465	20.352	ug/l	99
94) Hexachlorobutadiene	15.24	225	56690	19.619	ug/l	98
95) Naphthalene	15.37	128	157491	20.007	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	82092	20.242	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW009242.D

Acq: 19 Mar 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS01

Tot Ion:168 Resp: 304295

Ion Ratio Lower Upper

168 100

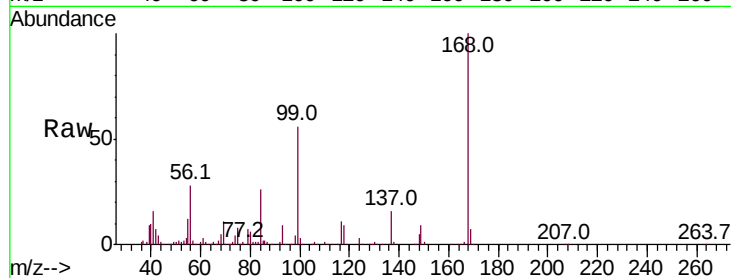
99 56.3 45.4 68.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

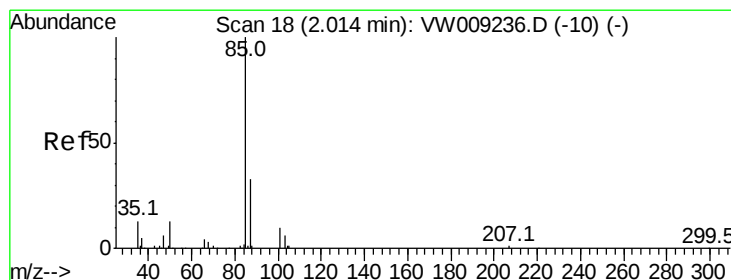
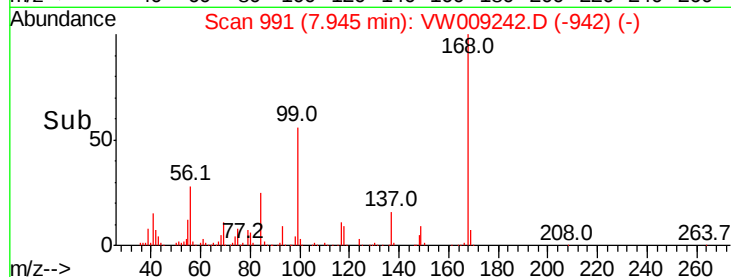
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.413 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW009242.D

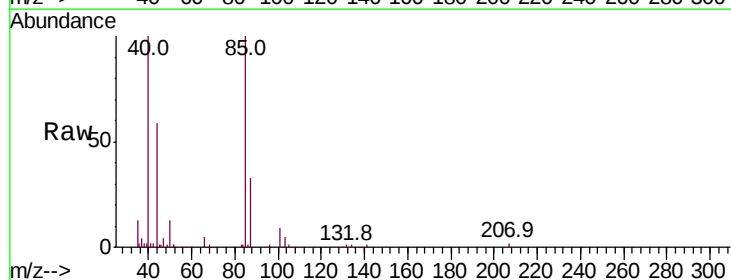
Acq: 19 Mar 2019 15:39

Tgt Ion: 85 Resp: 43012

Ion Ratio Lower Upper

85 100

87 33.5 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

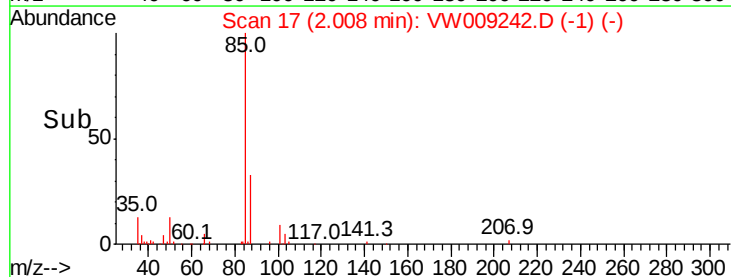
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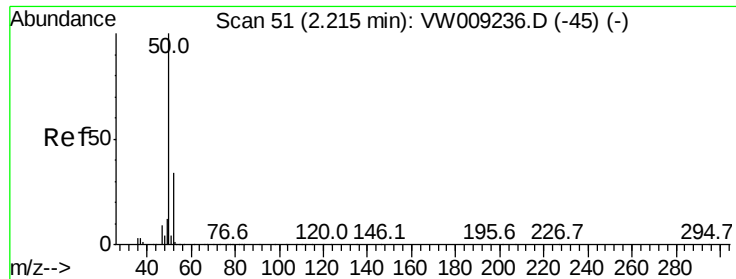
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5000

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Time-->





#3

Chloromethane

Concen: 21.245 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW009242.D

Acq: 19 Mar 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS01

Tot Ion: 50 Resp: 46863

Ion Ratio Lower Upper

50 100

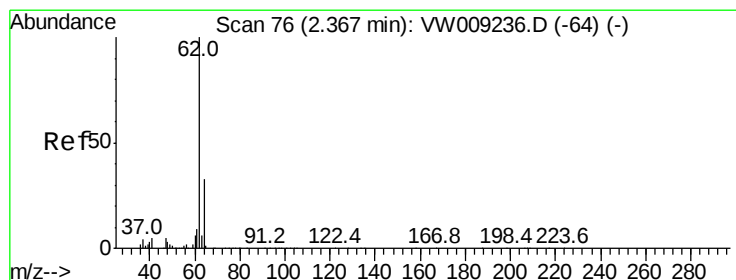
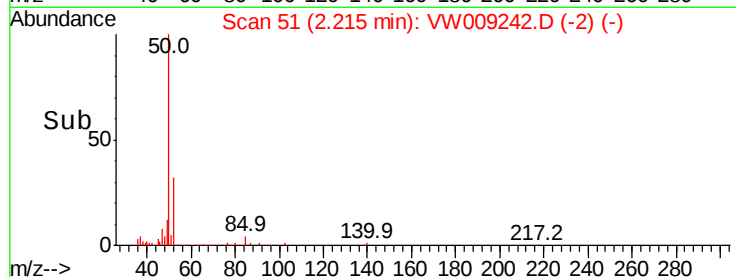
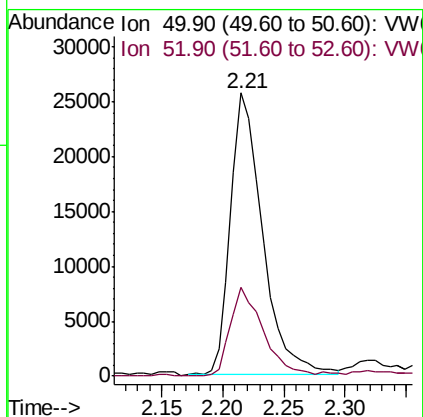
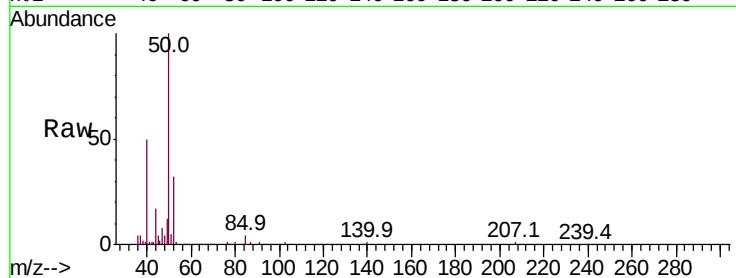
52 31.7 27.2 40.8

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#4

Vinyl Chloride

Concen: 20.881 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW009242.D

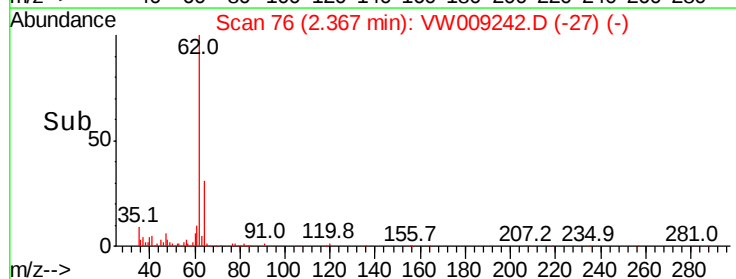
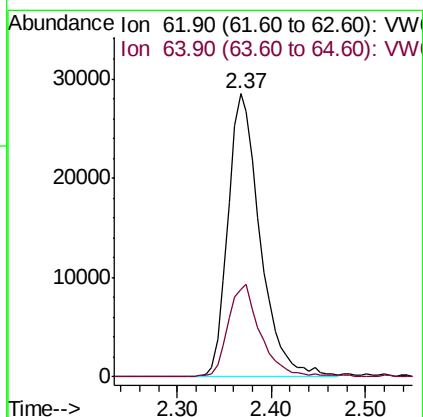
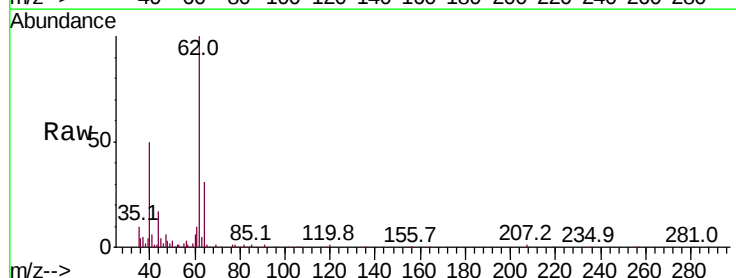
Acq: 19 Mar 2019 15:39

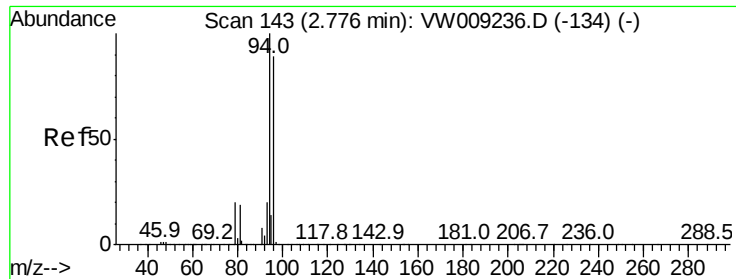
Tgt Ion: 62 Resp: 67602

Ion Ratio Lower Upper

62 100

64 30.6 26.2 39.2





#5

Bromomethane

Concen: 21.151 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW009242.D

Acq: 19 Mar 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS01

Tot Ion: 94 Resp: 55842

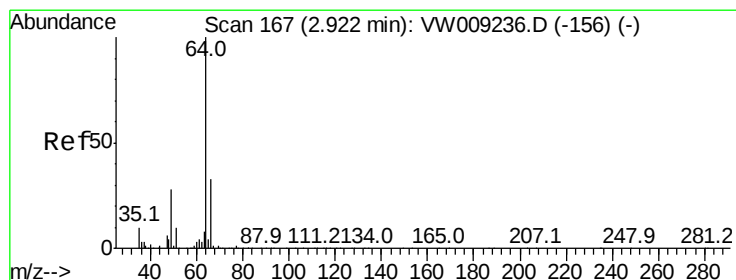
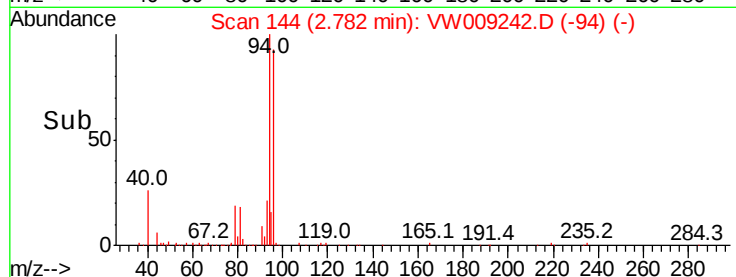
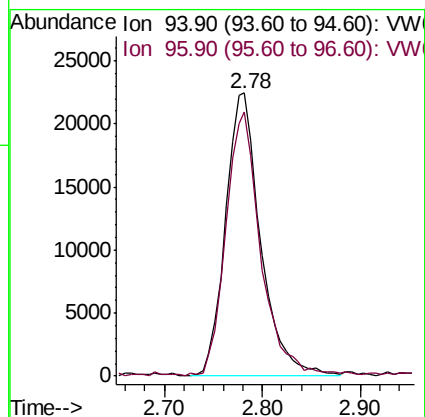
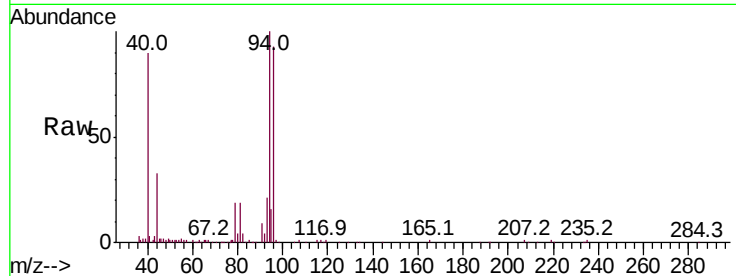
Ion Ratio Lower Upper

94 100

96 92.4 71.4 107.2

Manual Integrations
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#6

Chloroethane

Concen: 21.421 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW009242.D

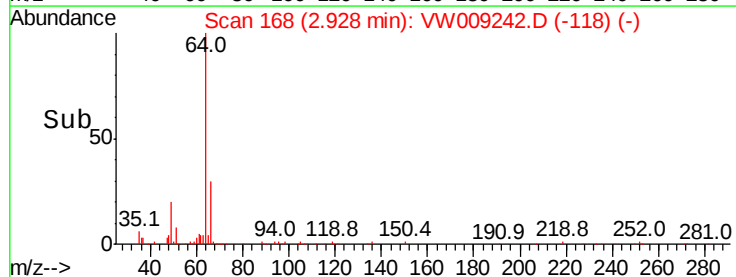
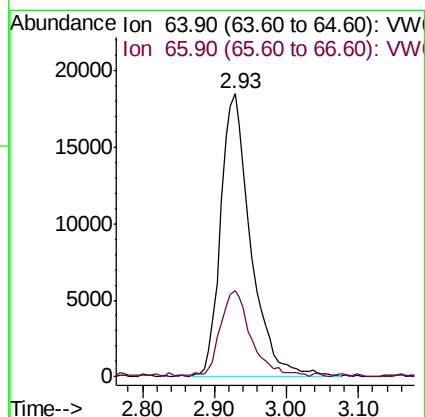
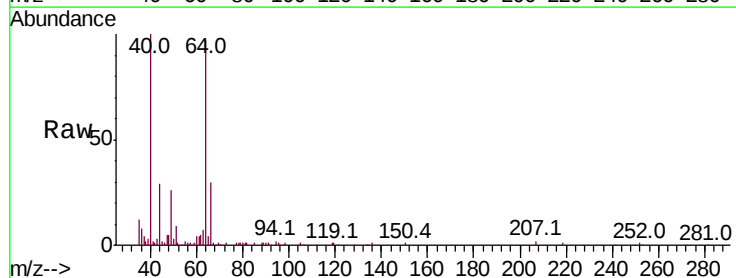
Acq: 19 Mar 2019 15:39

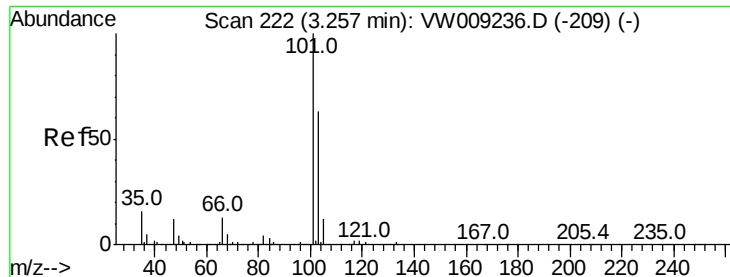
Tgt Ion: 64 Resp: 53805

Ion Ratio Lower Upper

64 100

66 29.9 26.2 39.2





#7

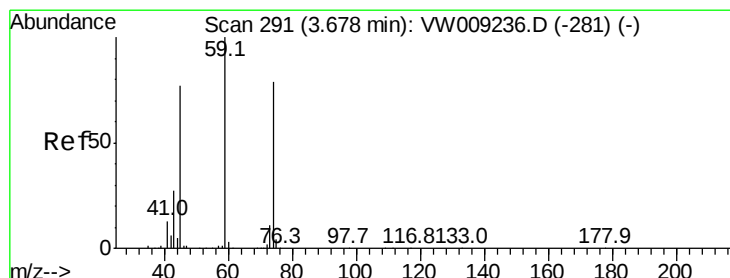
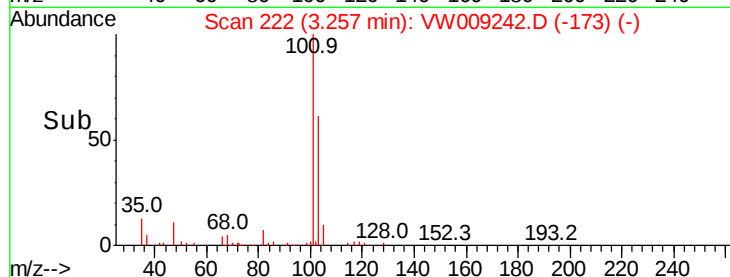
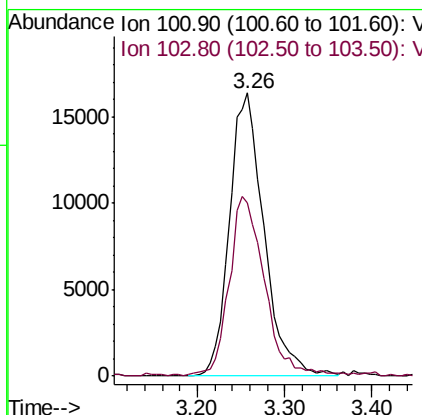
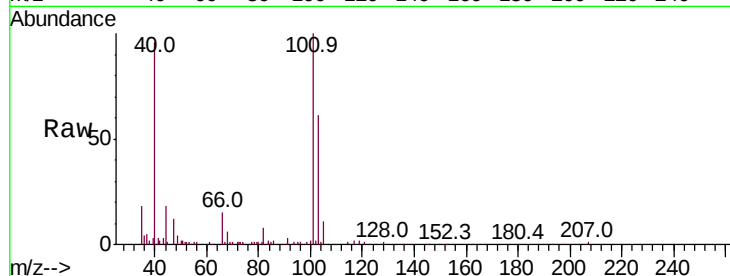
Trichlorofluoromethane
Concen: 21.162 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.4	50.5	75.7

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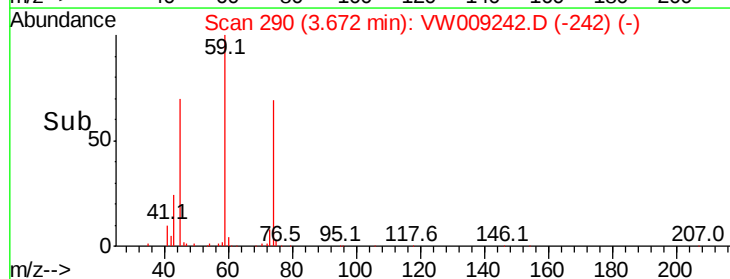
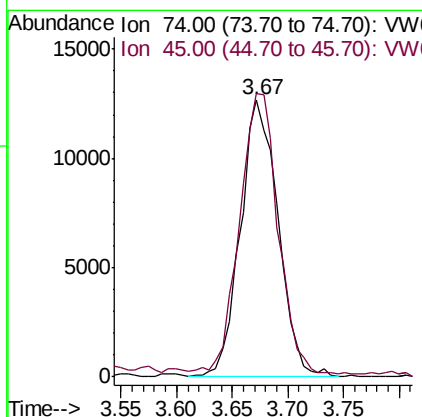
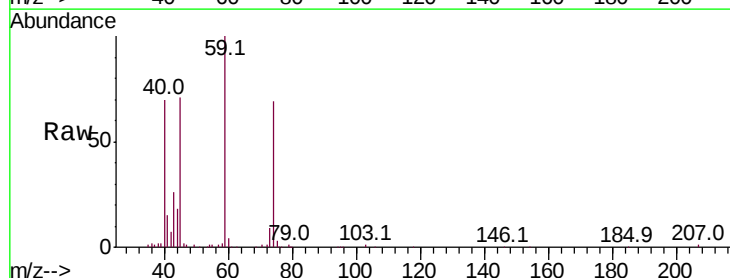
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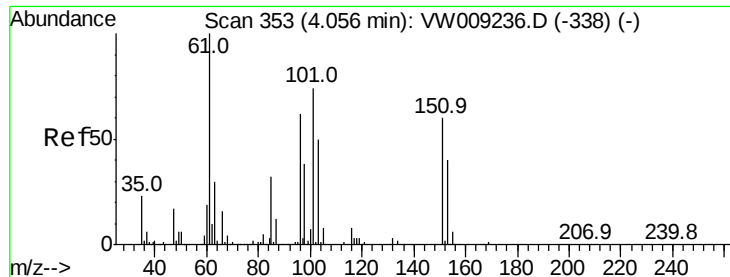


#8

Diethyl Ether
Concen: 19.547 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.7	50.6	151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.600 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW009242.D

Acq: 19 Mar 2019 15:39

Instrument :

MSVOA_W

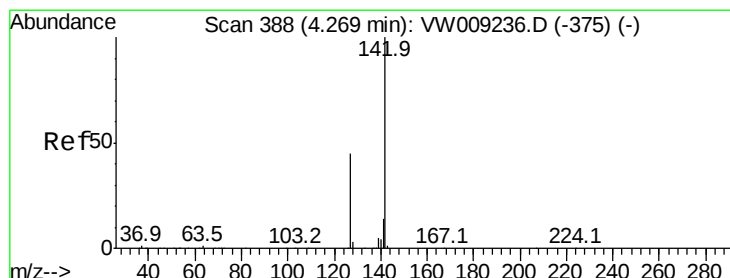
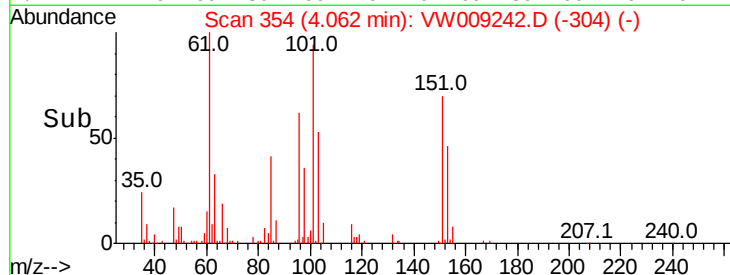
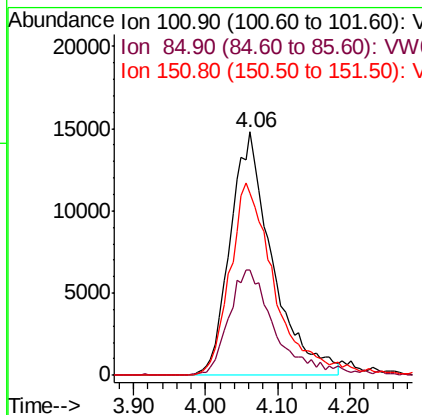
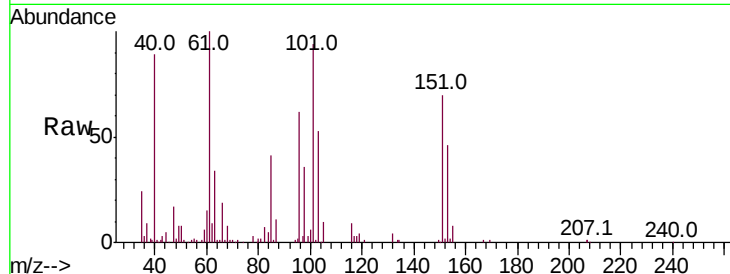
ClientSampleId :

VW0319SBS01

Tot Ion:	101	Resp:	60214
Ion Ratio	Lower	Upper	
101	100		
85	46.3	35.1	52.7
151	83.7	62.9	94.3

Manual Integrations
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3/22/2019 3:53:09 AM



#10

Methyl Iodide

Concen: 20.157 ug/l

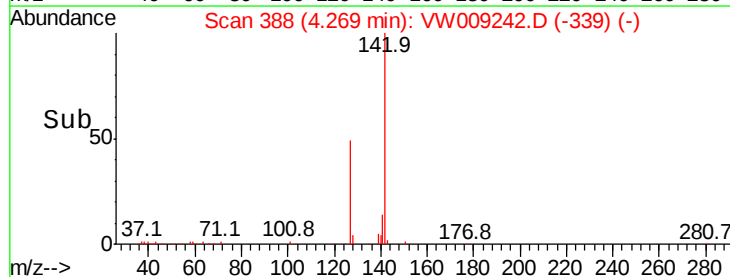
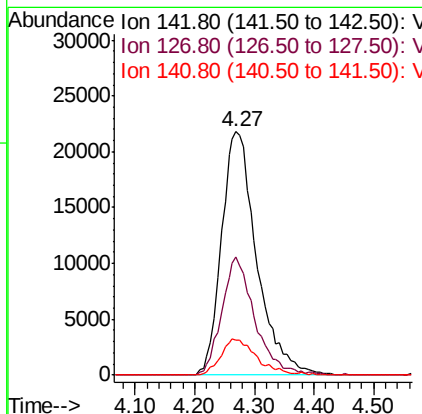
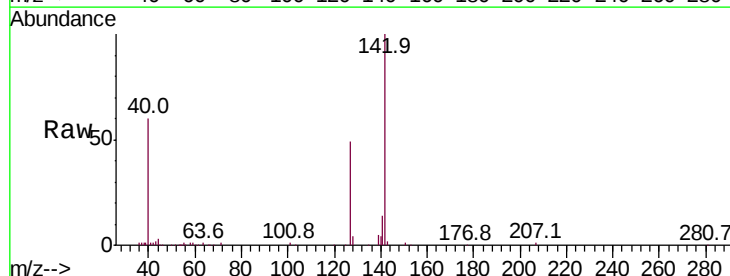
RT: 4.27 min Scan# 388

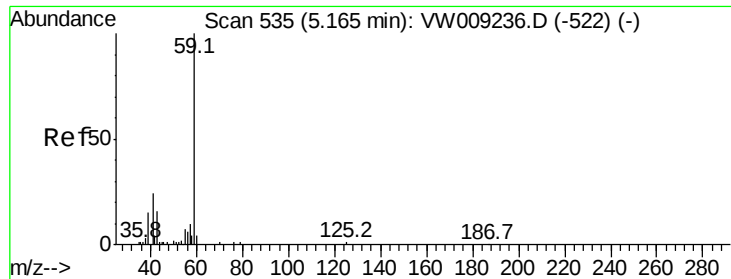
Delta R.T. 0.00 min

Lab File: VW009242.D

Acq: 19 Mar 2019 15:39

Tgt Ion:	142	Resp:	89269
Ion Ratio	Lower	Upper	
142	100		
127	45.4	35.9	53.9
141	15.0	11.4	17.2





#11

Tert butyl alcohol

Concen: 107.068 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW009242.D

Acq: 19 Mar 2019 15:39

Instrument :
MSVOA_W

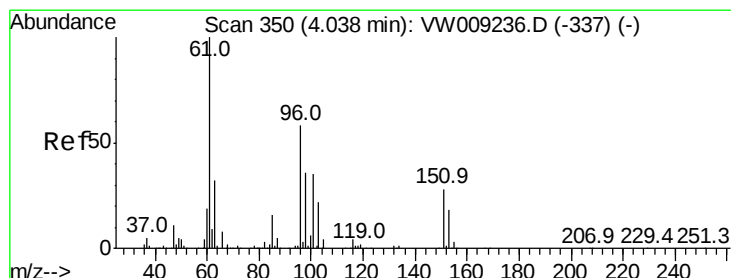
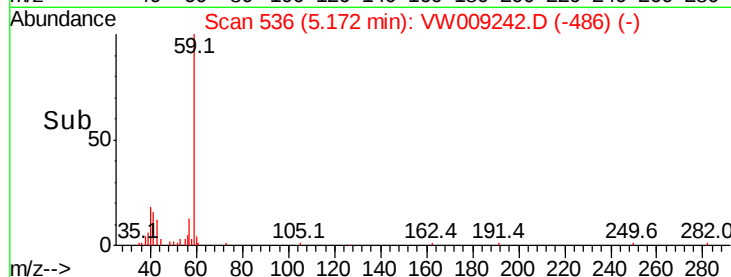
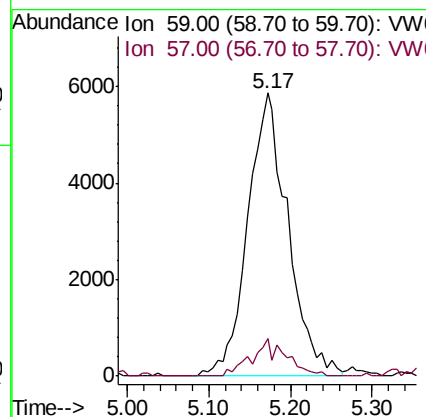
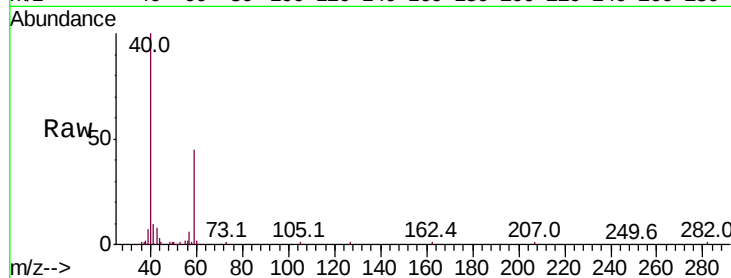
ClientSampleId :
VW0319SBS01

Tot Ion: 59 Resp: 20119

Ion	Ratio	Lower	Upper
59	100		
57	11.3	9.4	14.0

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#12

1,1-Dichloroethene

Concen: 20.282 ug/l

RT: 4.03 min Scan# 349

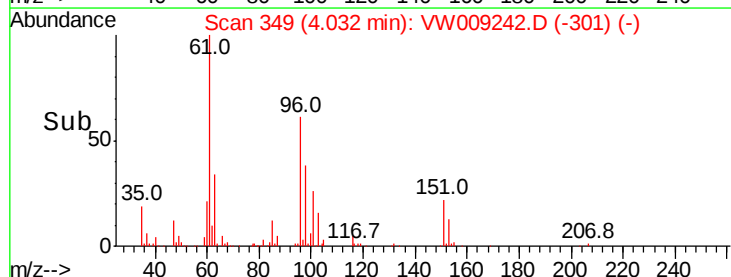
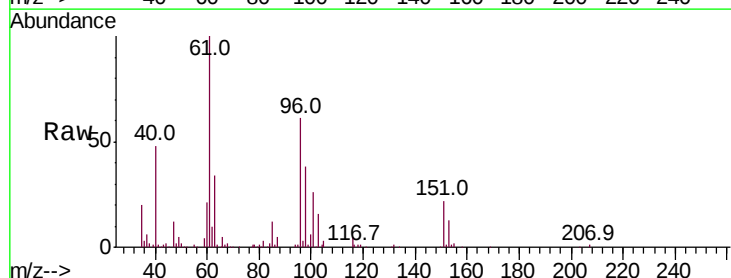
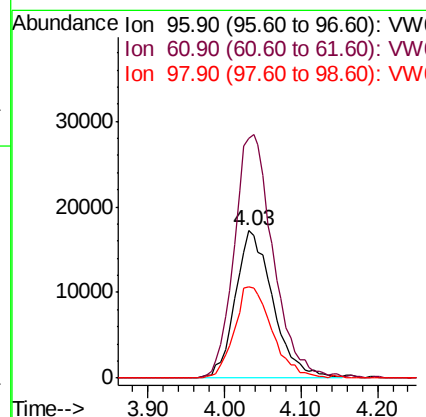
Delta R.T. -0.01 min

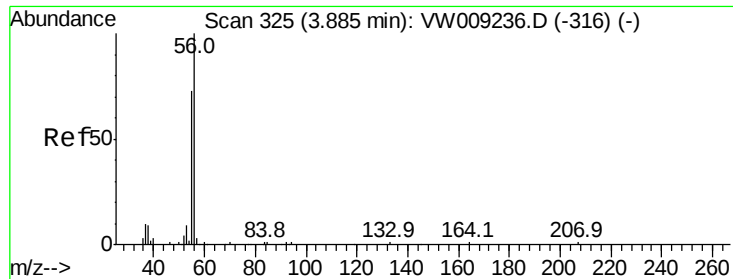
Lab File: VW009242.D

Acq: 19 Mar 2019 15:39

Tgt Ion: 96 Resp: 58901

Ion	Ratio	Lower	Upper
96	100		
61	163.3	138.0	207.0
98	62.0	49.8	74.8





#13

Acrolein

Concen: 90.000 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW009242.D

Acq: 19 Mar 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS01

Tot Ion: 56 Resp: 13804

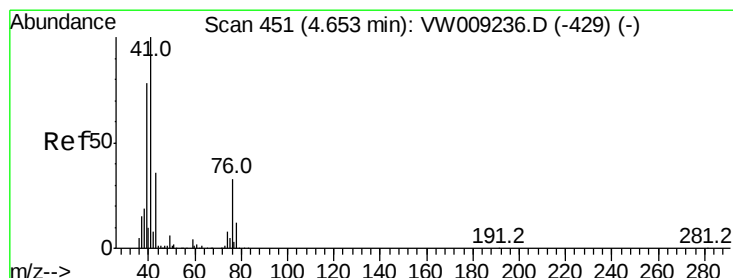
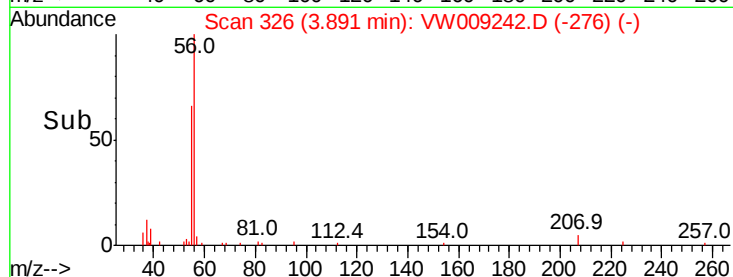
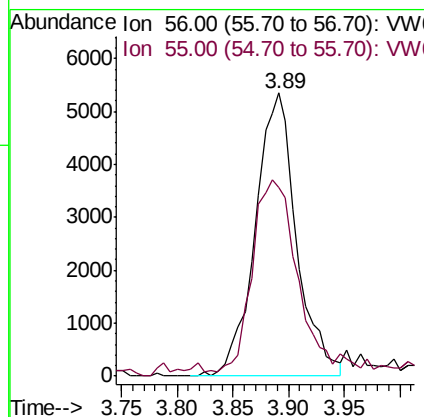
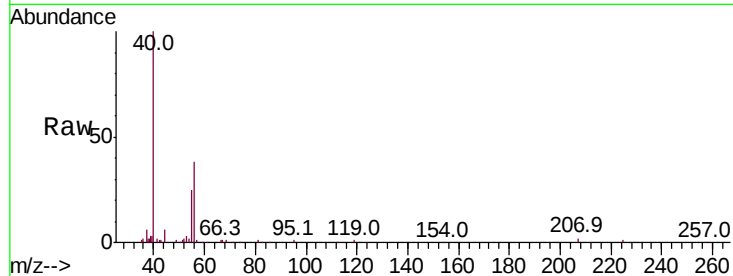
Ion Ratio Lower Upper

56 100

55 71.9 55.2 82.8

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#14

Allyl chloride

Concen: 20.865 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW009242.D

Acq: 19 Mar 2019 15:39

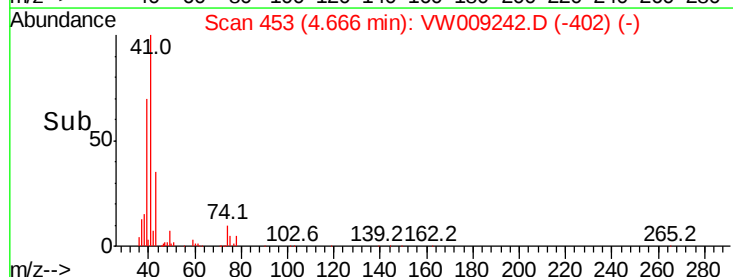
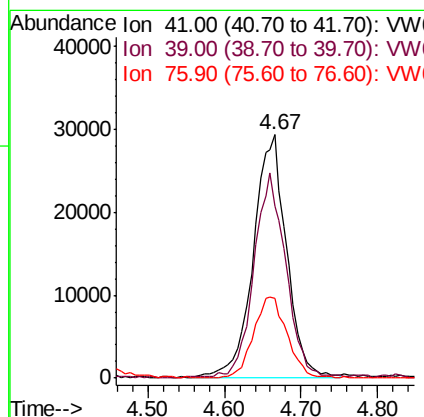
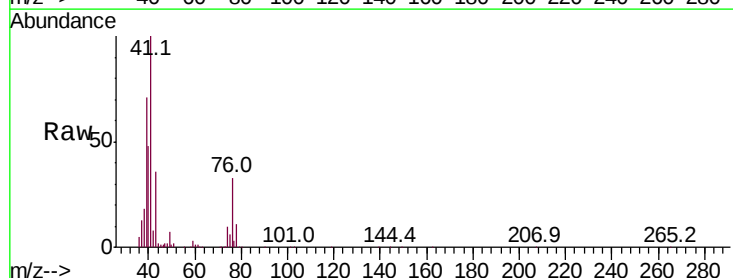
Tgt Ion: 41 Resp: 89330

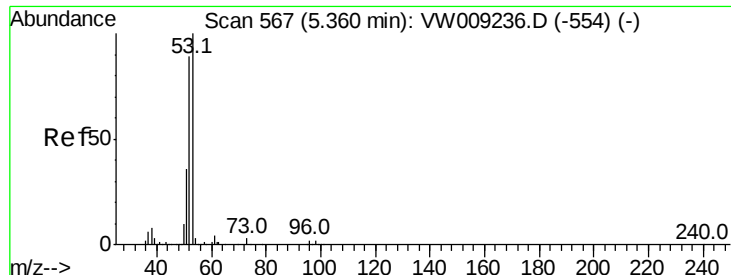
Ion Ratio Lower Upper

41 100

39 80.9 63.8 95.6

76 33.4 27.8 41.6





#15

Acrylonitrile

Concen: 100.804 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW009242.D

Acq: 19 Mar 2019 15:39

Instrument :

MSVOA_W

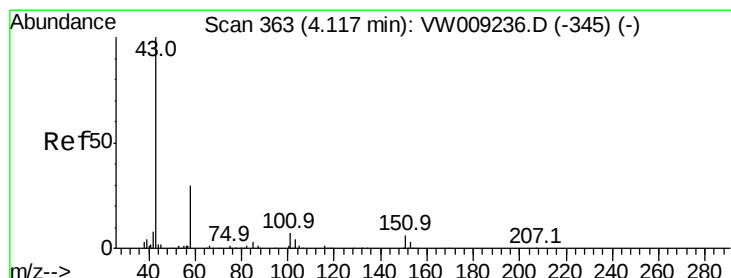
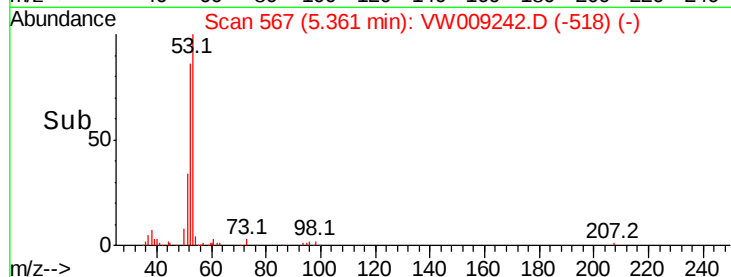
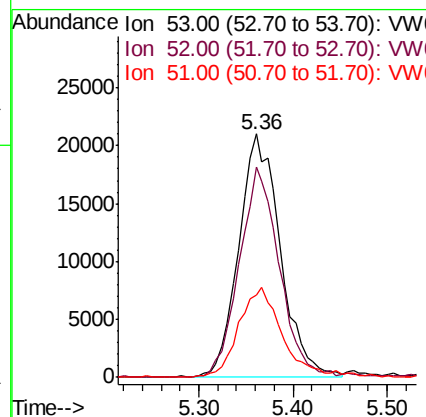
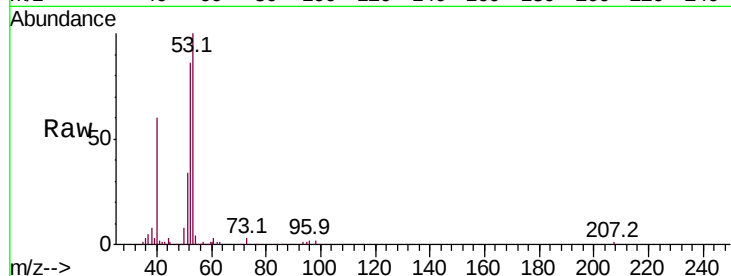
ClientSampleId :

VW0319SBS01

Tot Ion:	53	Resp:	64797
Ion	Ratio	Lower	Upper
53	100		
52	83.2	67.6	101.4
51	37.9	30.6	45.8

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#16

Acetone

Concen: 109.157 ug/l

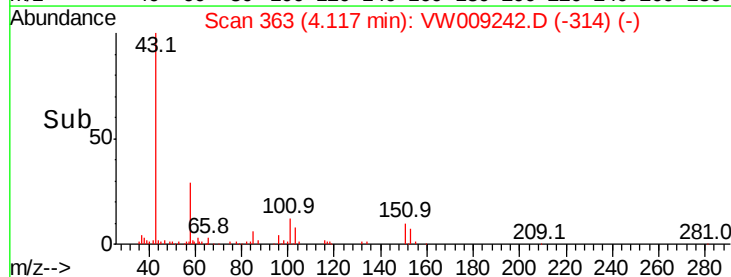
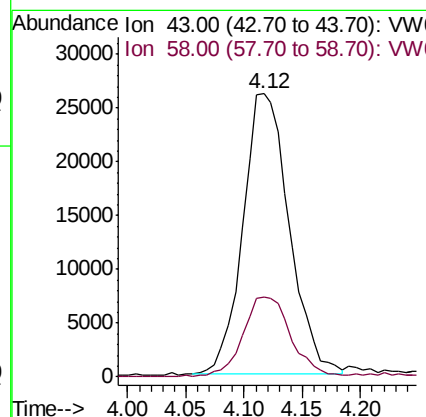
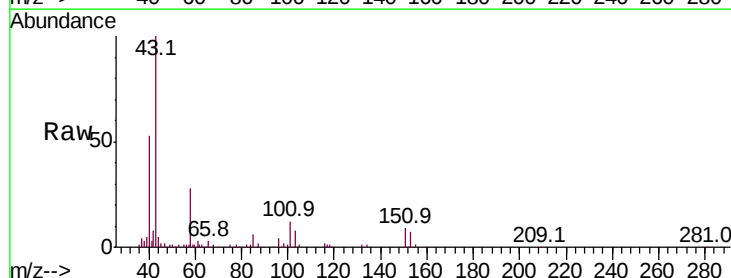
RT: 4.12 min Scan# 363

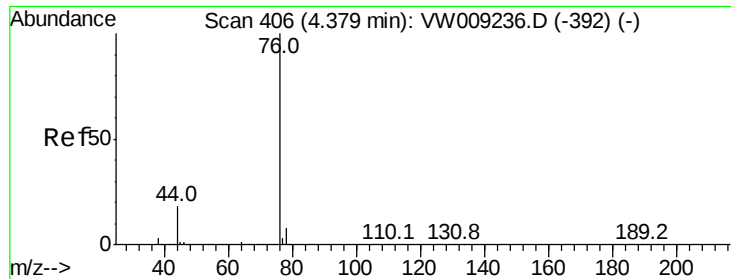
Delta R.T. 0.00 min

Lab File: VW009242.D

Acq: 19 Mar 2019 15:39

Tgt Ion:	43	Resp:	72487
Ion	Ratio	Lower	Upper
43	100		
58	28.2	23.6	35.4





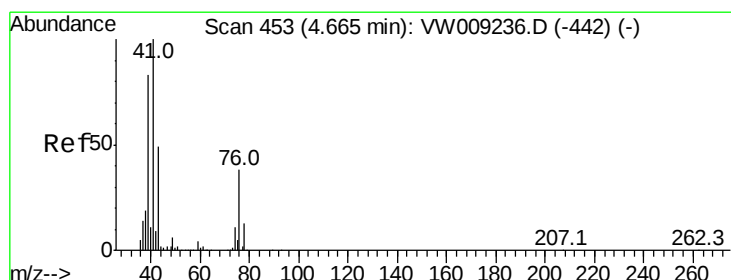
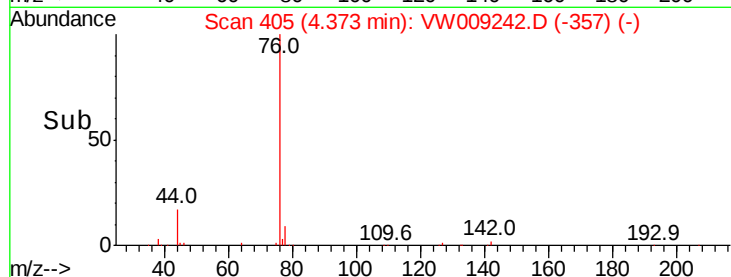
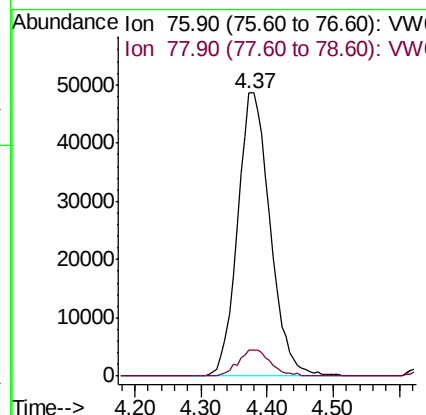
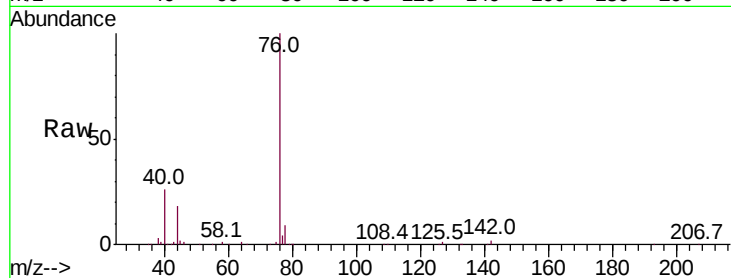
#17
Carbon Disulfide
Concen: 20.478 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS01

Tot Ion	Ratio	Resp	Lower	Upper
76	100	165793		
78	9.3	6.6	9.8	

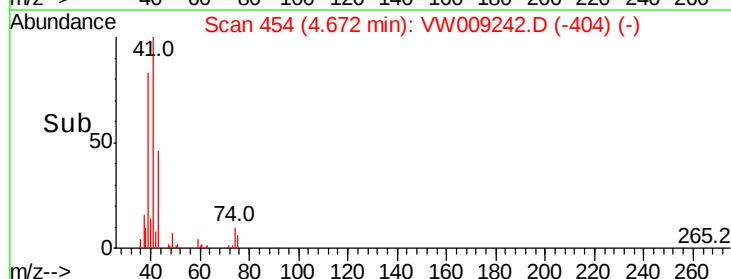
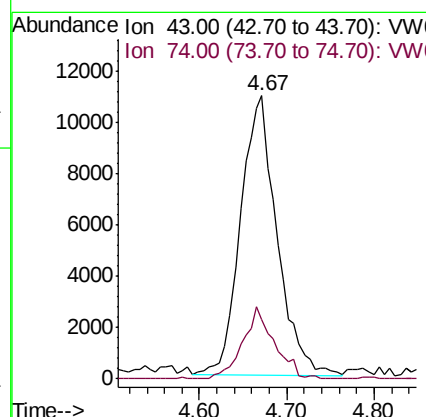
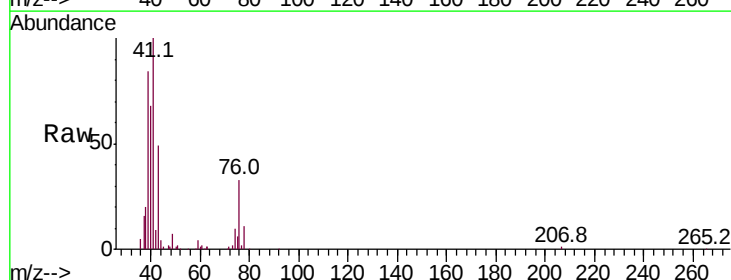
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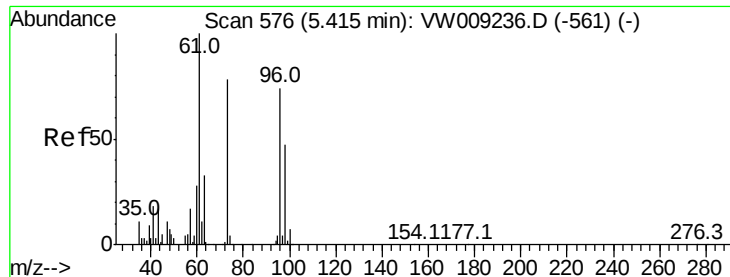
MMDadoda
3/22/2019 3:53:09 AM



#18
Methyl Acetate
Concen: 18.482 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	31498		
74	22.3	17.7	26.5	





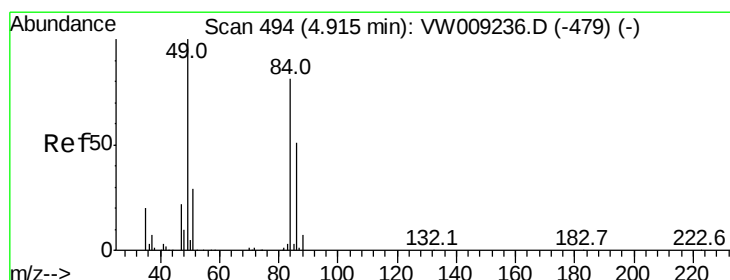
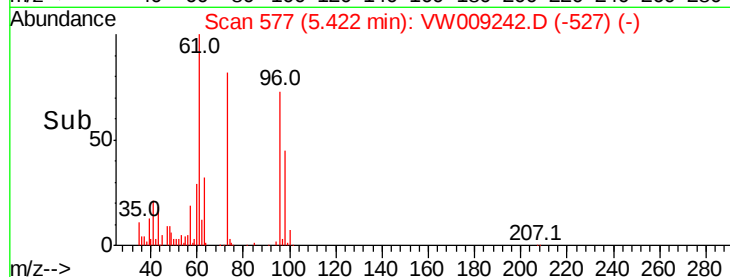
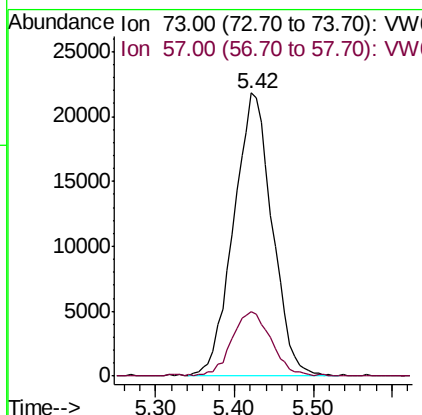
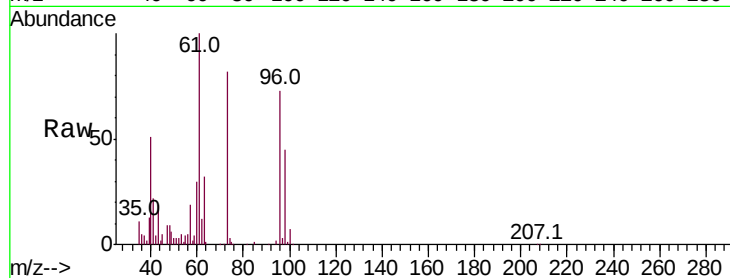
#19
Methvl tert-butvl Ether
Concen: 20.786 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS01

Tot Ion: 73 Resp: 74088
Ion Ratio Lower Upper
73 100
57 22.7 17.0 25.6

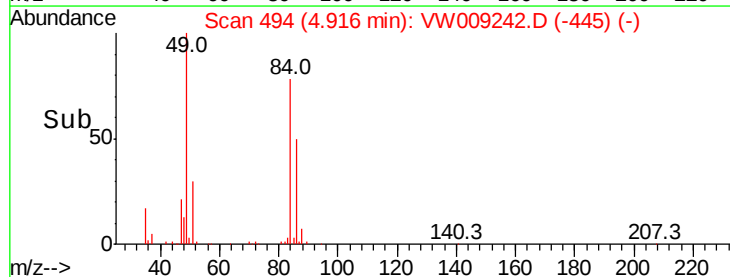
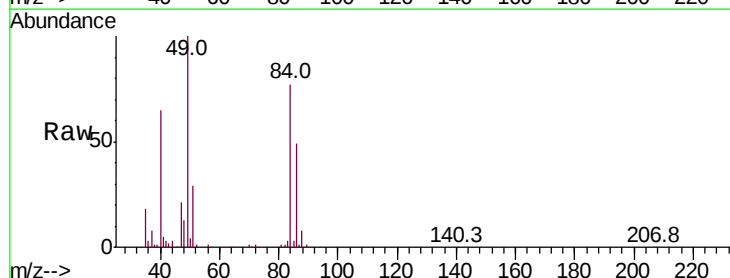
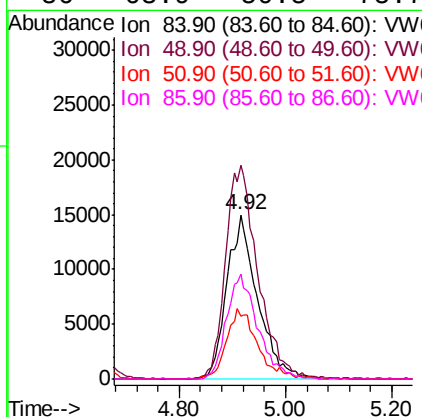
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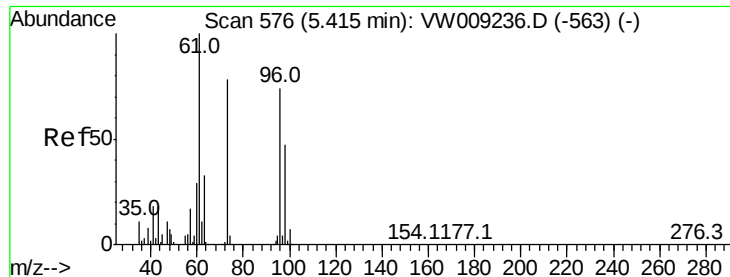
MMDadoda
3/22/2019 3:53:09 AM



#20
Methylene Chloride
Concen: 20.157 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Tgt Ion: 84 Resp: 60410
Ion Ratio Lower Upper
84 100
49 130.3 99.1 148.7
51 38.3 28.7 43.1
86 63.9 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 20.077 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW009242.D

Acq: 19 Mar 2019 15:39

Instrument :

MSVOA_W

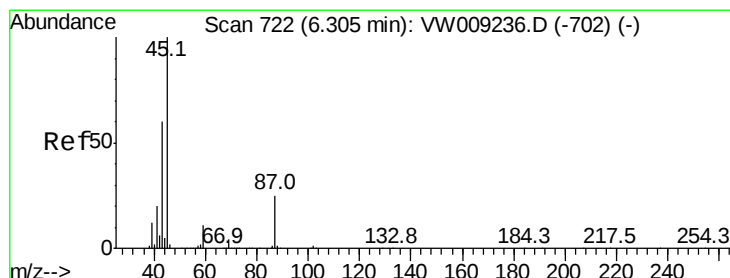
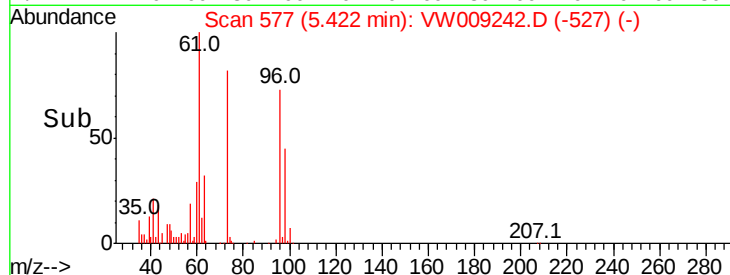
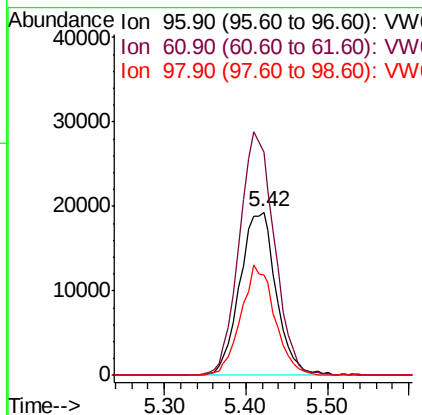
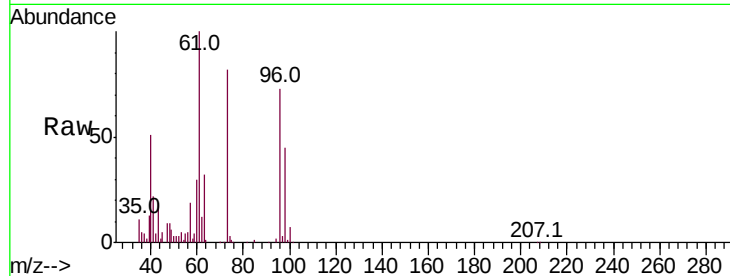
ClientSampleId :

VW0319SBS01

Tot Ion:	96	Resp:	59987
Ion	Ratio	Lower	Upper
96	100		
61	136.8	108.2	162.4
98	61.1	50.9	76.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.854 ug/l

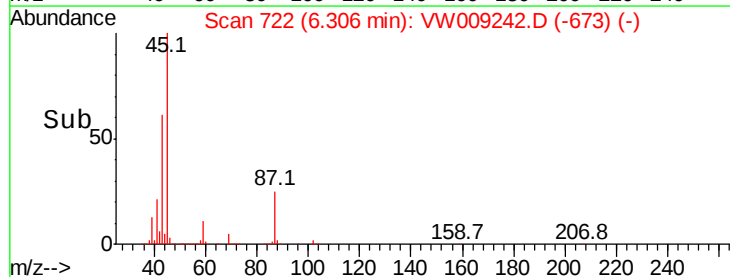
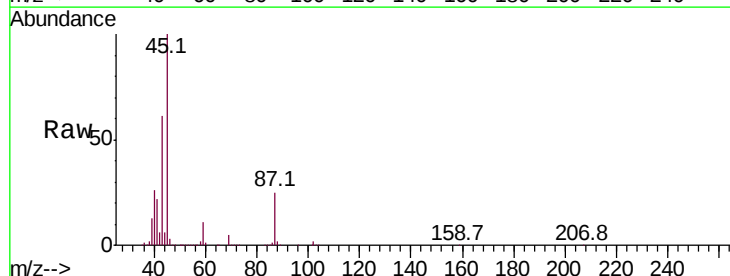
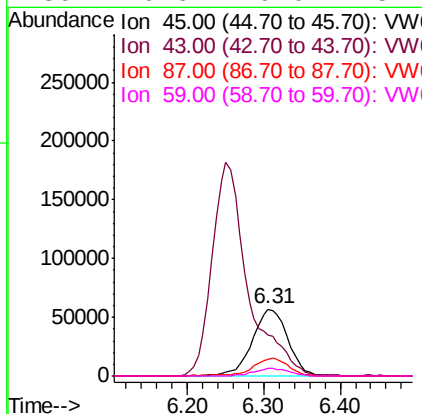
RT: 6.31 min Scan# 722

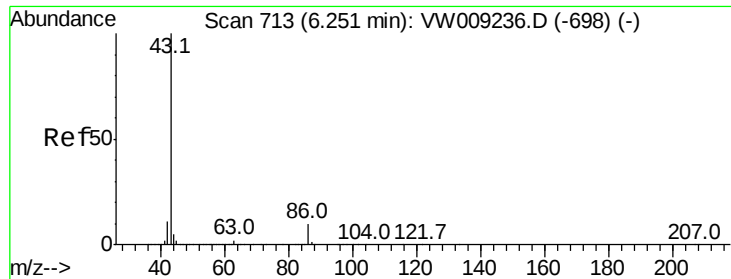
Delta R.T. 0.00 min

Lab File: VW009242.D

Acq: 19 Mar 2019 15:39

Tgt Ion:	45	Resp:	183249
Ion	Ratio	Lower	Upper
45	100		
43	60.2	47.9	71.9
87	24.7	20.6	30.8
59	10.6	9.0	13.4





#23

Vinyl Acetate

Concen: 102.261 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW009242.D

Acq: 19 Mar 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS01

Tot Ion: 43 Resp: 592203

Ion Ratio Lower Upper

43 100

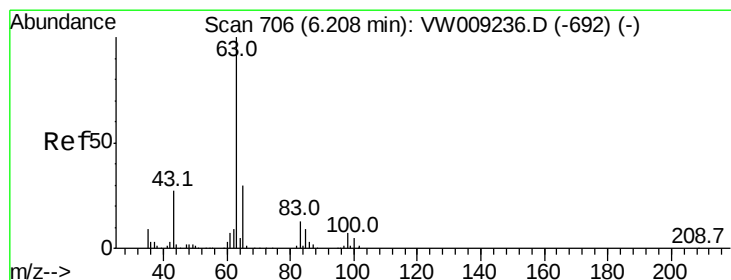
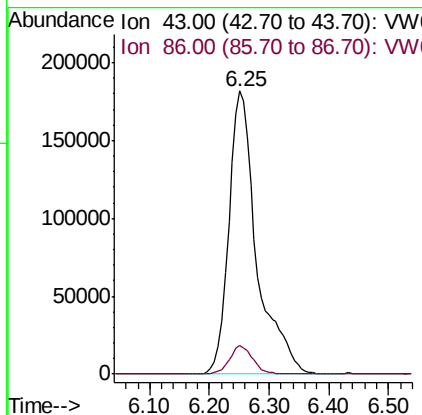
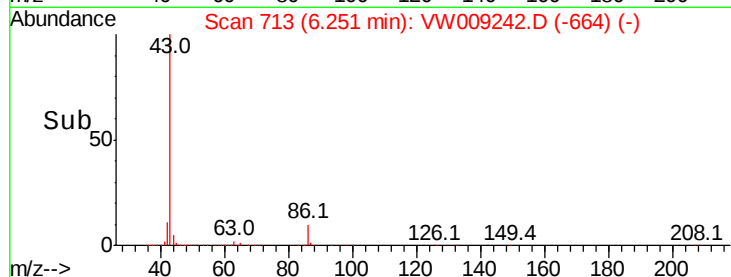
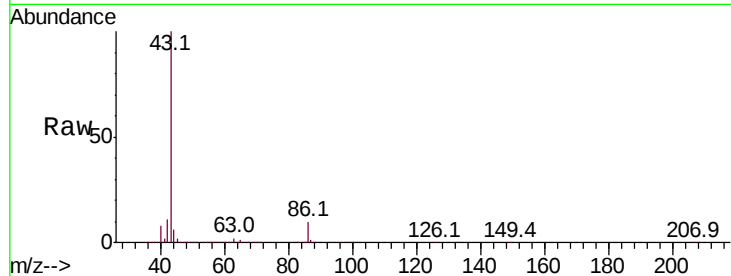
86 10.2 7.7 11.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.600 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW009242.D

Acq: 19 Mar 2019 15:39

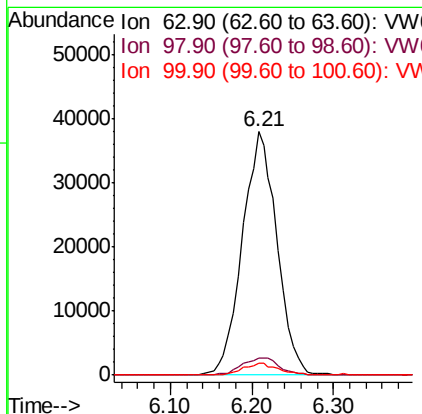
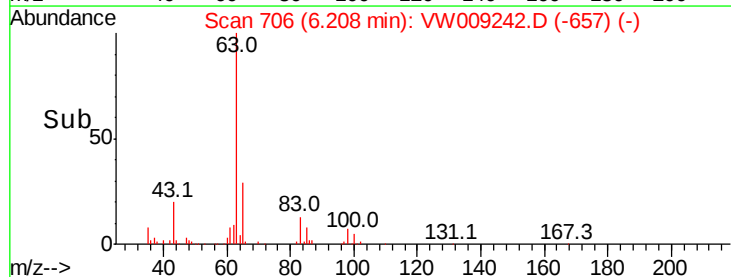
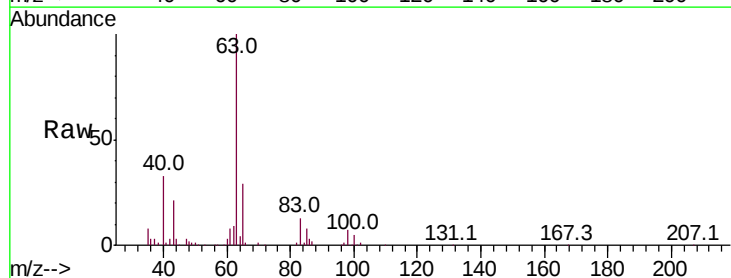
Tgt Ion: 63 Resp: 111643

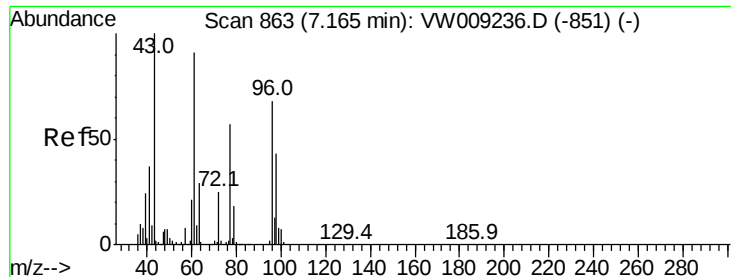
Ion Ratio Lower Upper

63 100

98 7.2 3.7 11.1

100 4.7 2.4 7.1





#25

2-Butanone

Concen: 104.137 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW009242.D

Acq: 19 Mar 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS01

Tot Ion: 43 Resp: 99089

Ion Ratio Lower Upper

43 100

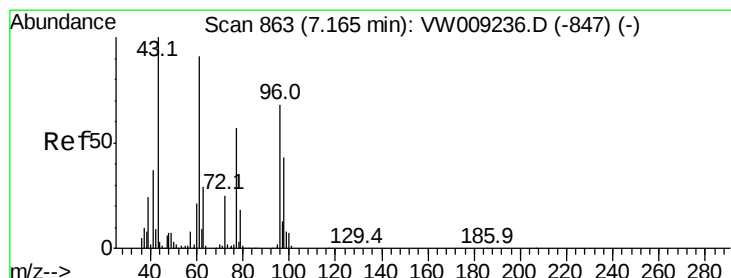
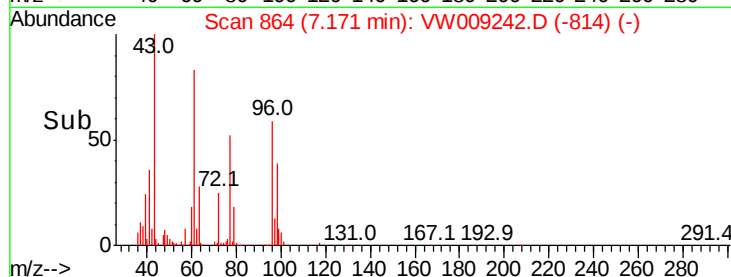
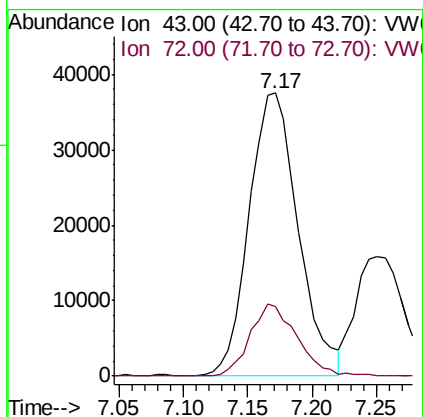
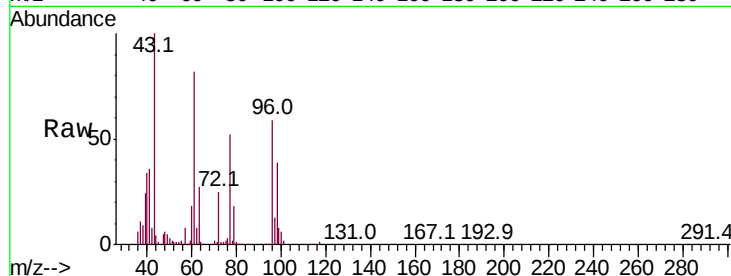
72 24.6 20.0 30.0

Manual Integrations

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MMDadoda

3/22/2019 3:53:09 AM



#26

2,2-Dichloropropane

Concen: 20.970 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW009242.D

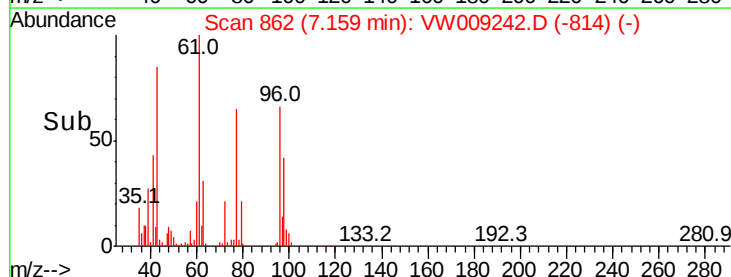
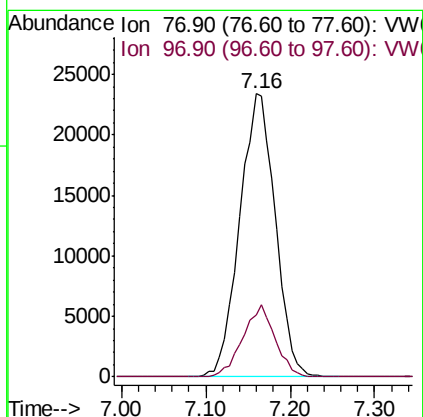
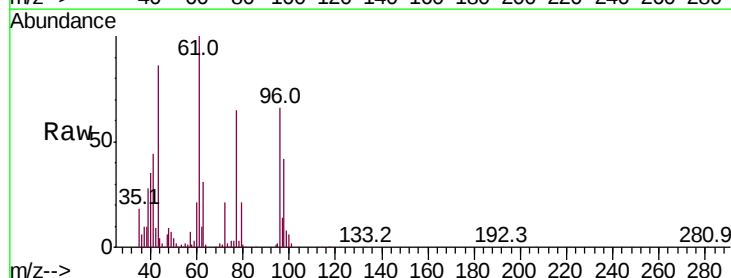
Acq: 19 Mar 2019 15:39

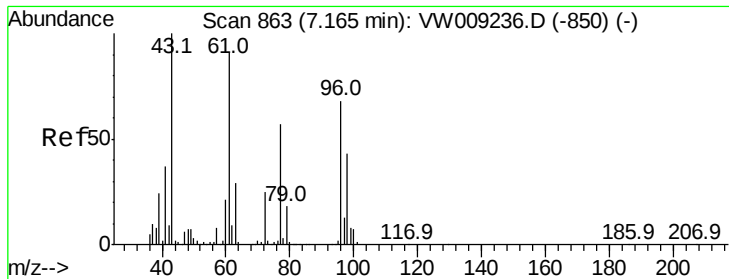
Tgt Ion: 77 Resp: 66743

Ion Ratio Lower Upper

77 100

97 23.1 11.6 34.7





#27

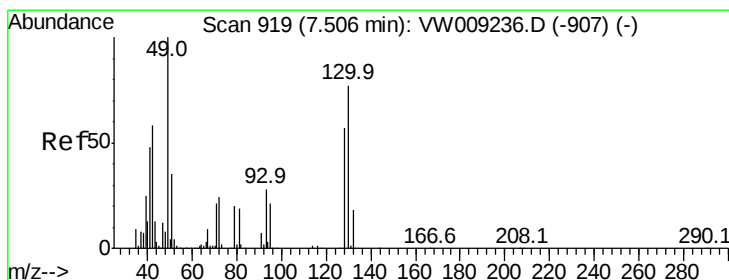
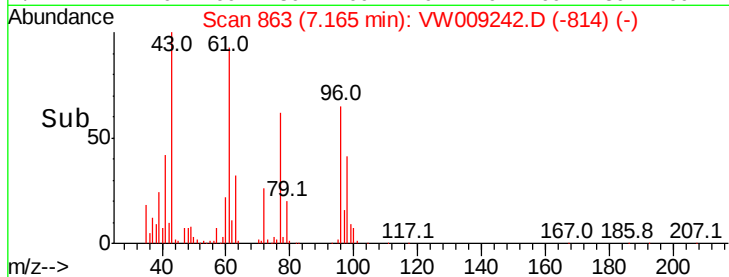
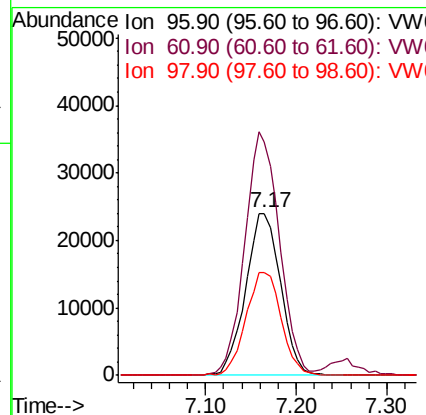
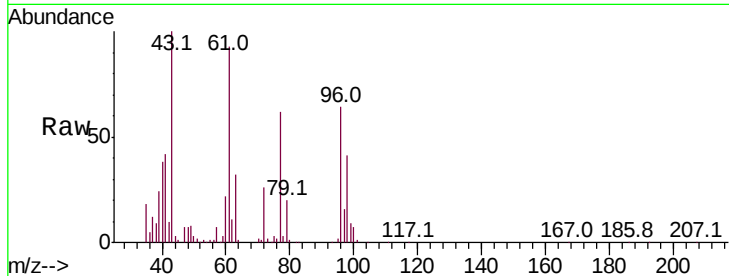
cis-1,2-Dichloroethene
Concen: 19.803 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.7	0.0	289.8
98	64.0	0.0	130.8

Manual Integrations
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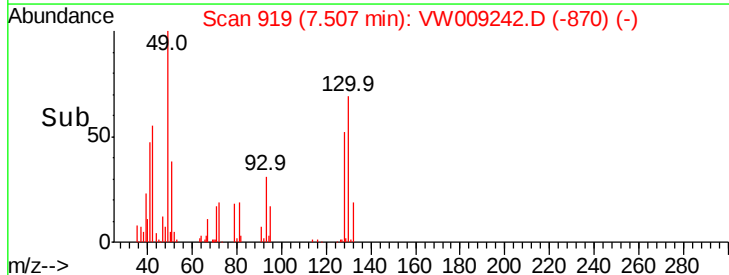
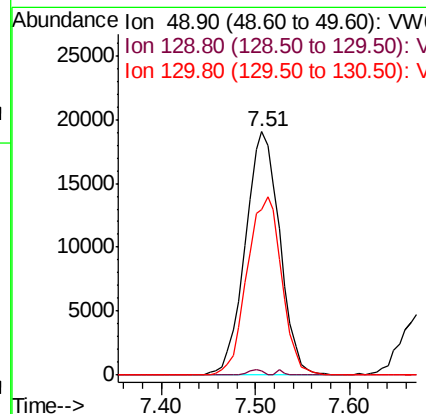
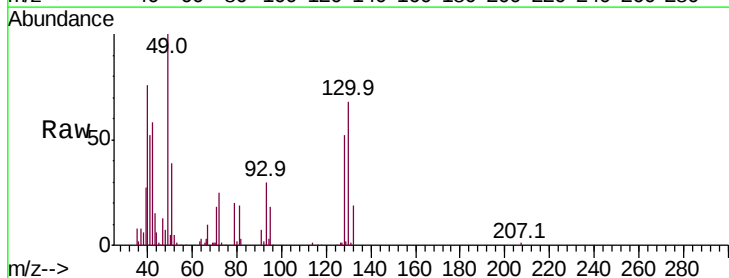
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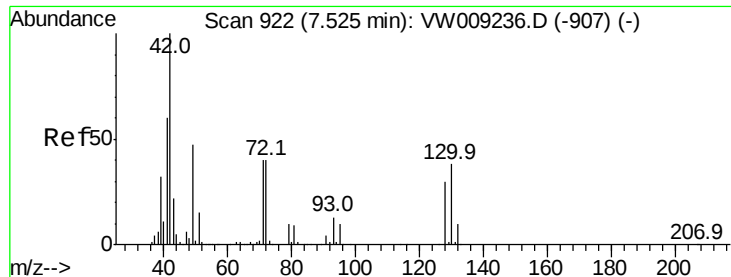


#28

Bromochloromethane
Concen: 19.352 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	1.4
130	73.8	58.6	88.0





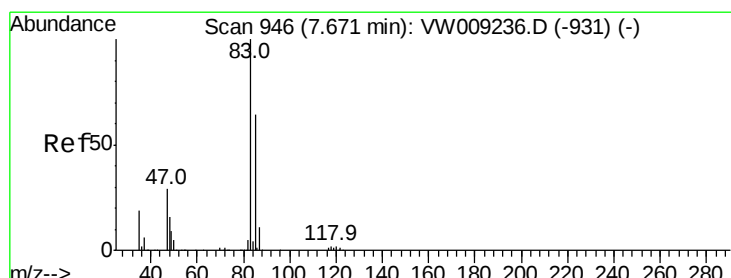
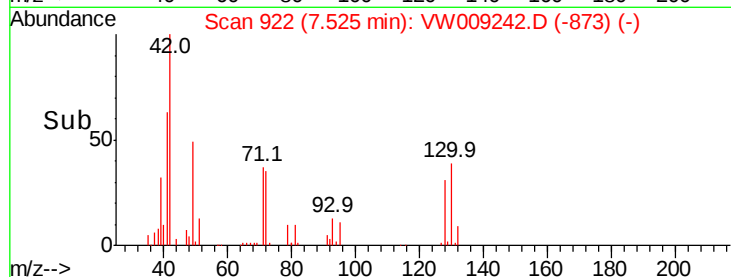
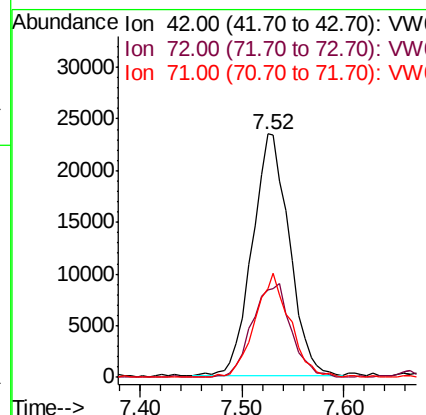
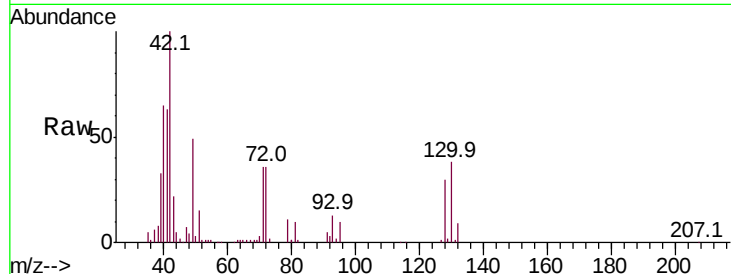
#29
Tetrahydrofuran
Concen: 98.497 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.0	32.4	48.6
71	40.5	30.1	45.1

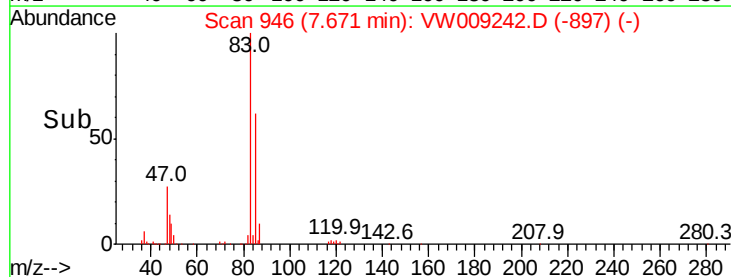
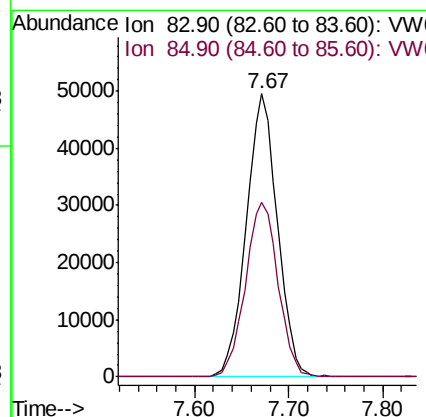
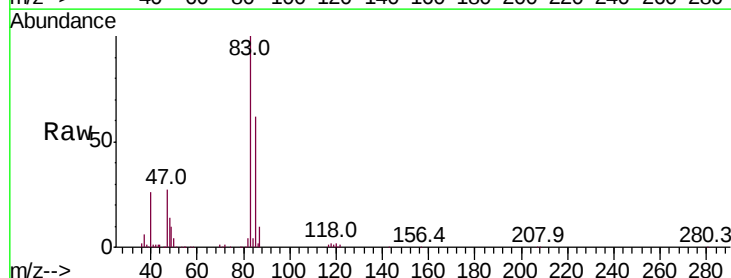
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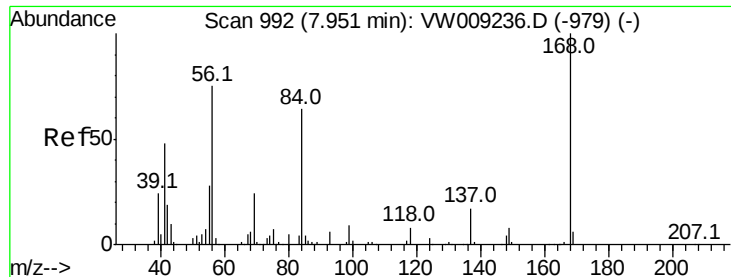
MMDadoda
3/22/2019 3:53:09 AM



#30
Chloroform
Concen: 19.372 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	51.0	76.6





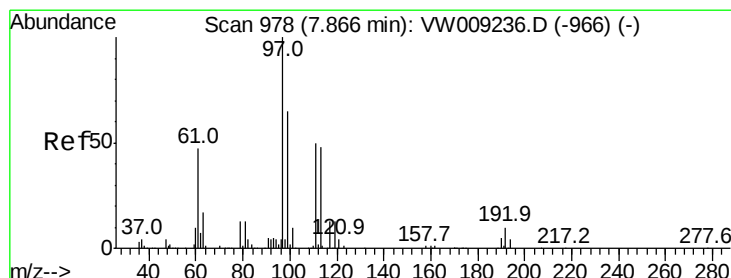
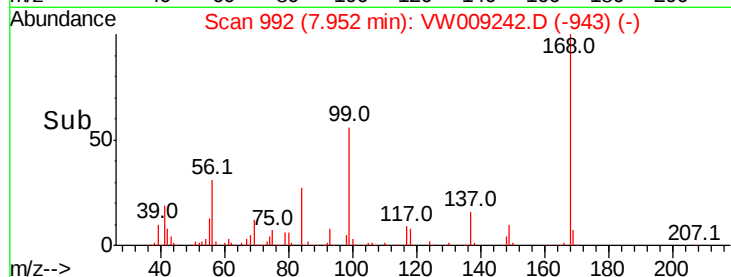
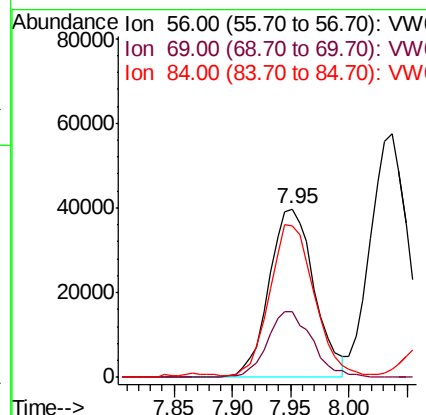
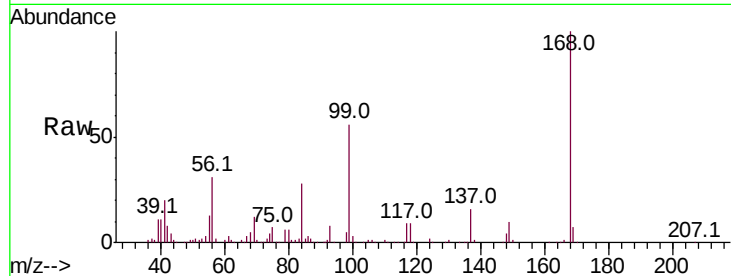
#31
Cvclohexane
Concen: 20.047 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.1	26.1	39.1
84	87.6	68.6	103.0

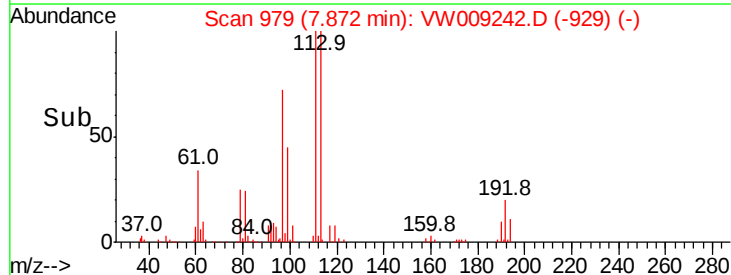
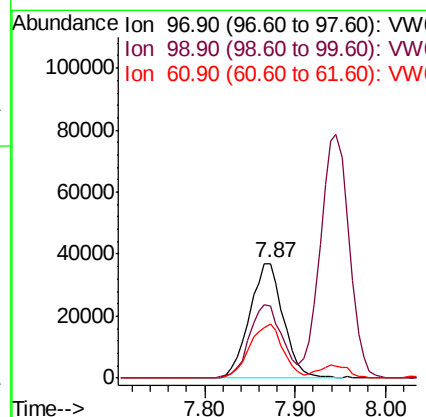
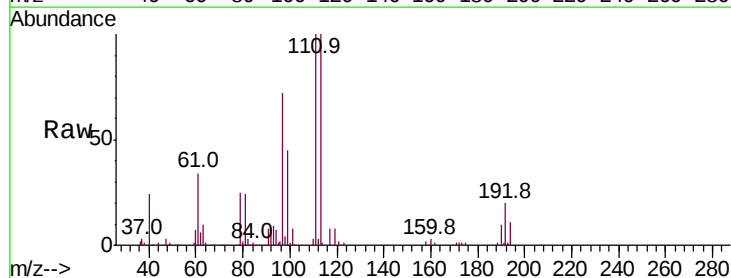
Manual Integrations
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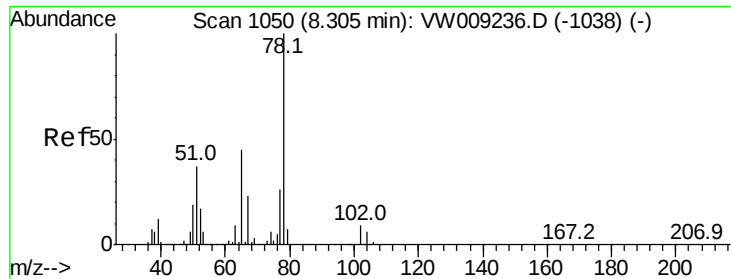
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#32
1,1,1-Trichloroethane
Concen: 20.006 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.3	51.9	77.9
61	46.8	36.8	55.2





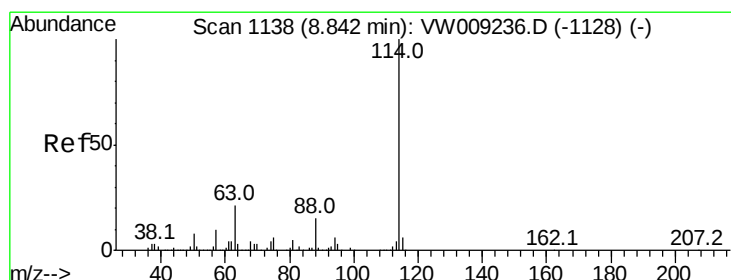
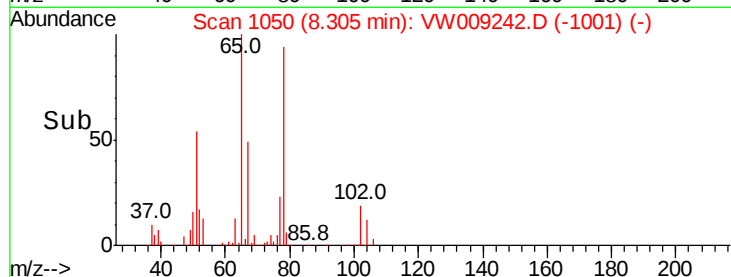
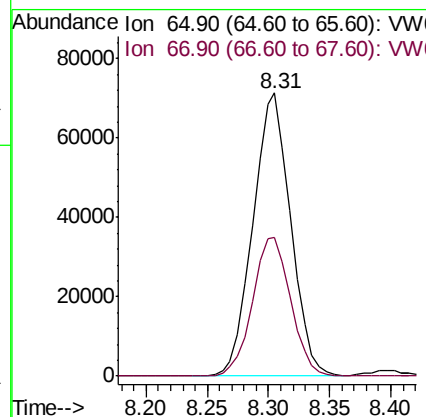
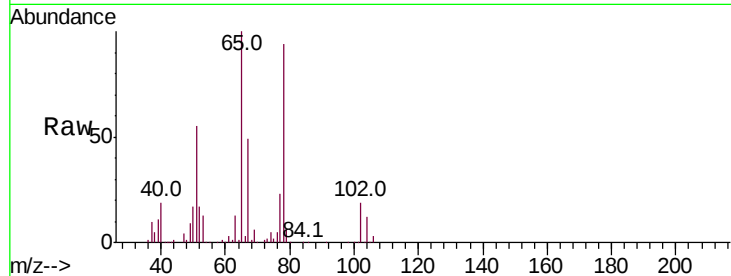
#33
 1,2-Dichloroethane-d4
 Concen: 47.257 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009242.D
 Acq: 19 Mar 2019 15:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	49.6	0.0	102.4	

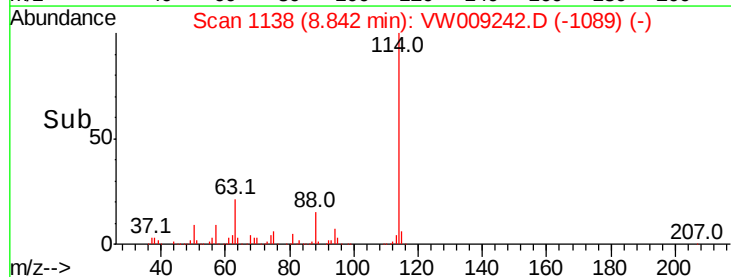
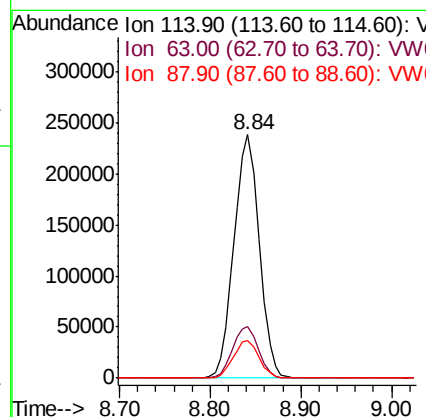
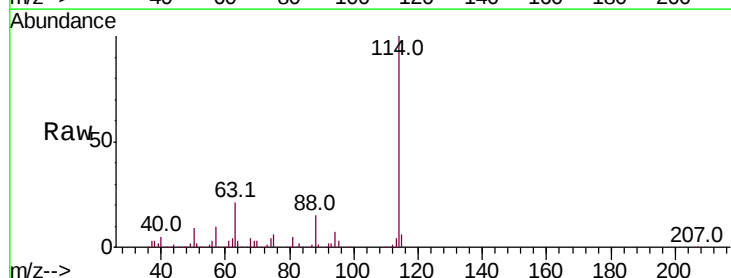
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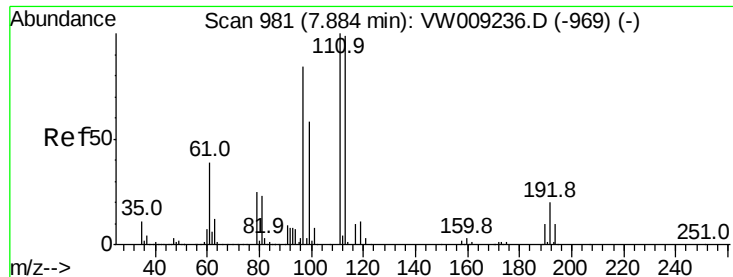
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 3/22/2019 3:53:09 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009242.D
 Acq: 19 Mar 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.2	0.0	42.2	
88	15.3	0.0	30.8	





#35

Dibromofluoromethane

Concen: 46.245 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW009242.D

Acq: 19 Mar 2019 15:39

Instrument :

MSVOA_W

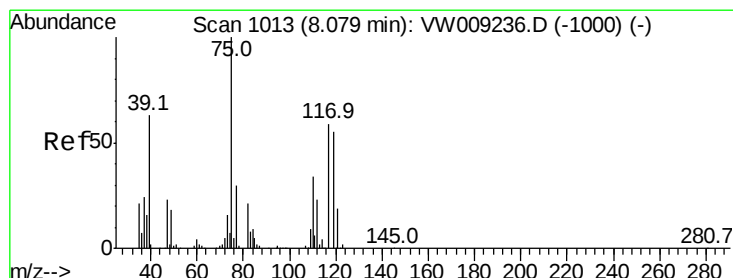
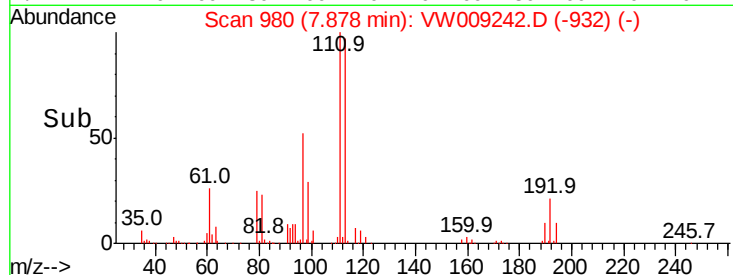
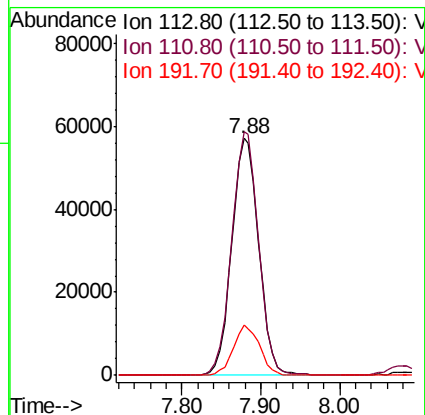
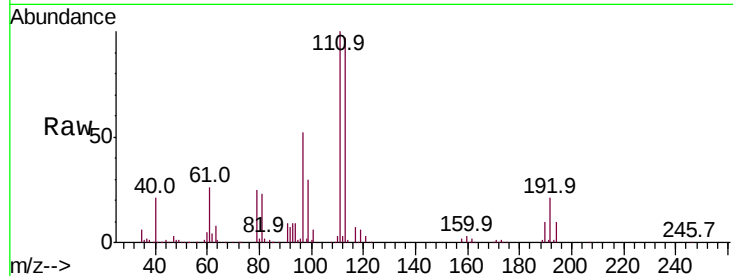
ClientSampleId :

VW0319SBS01

Tot Ion:	113	Resp:	135472
Ion Ratio	Lower	Upper	
113	100		
111	102.5	82.6	124.0
192	20.6	16.4	24.6

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#36

1,1-Dichloropropene

Concen: 19.578 ug/l

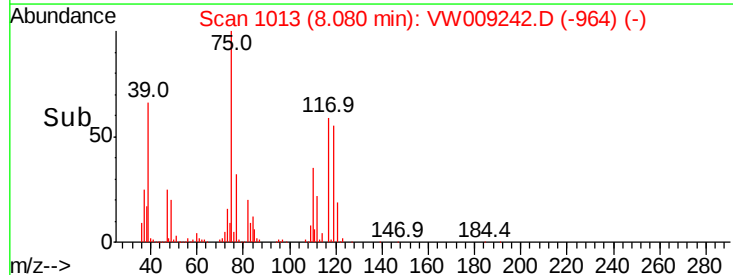
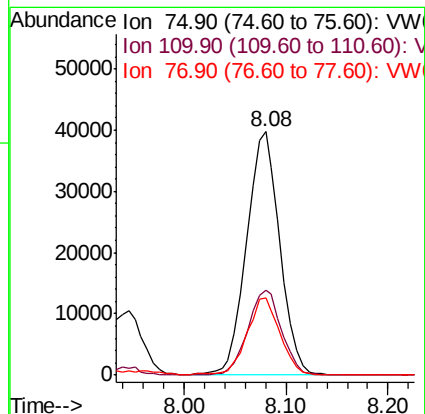
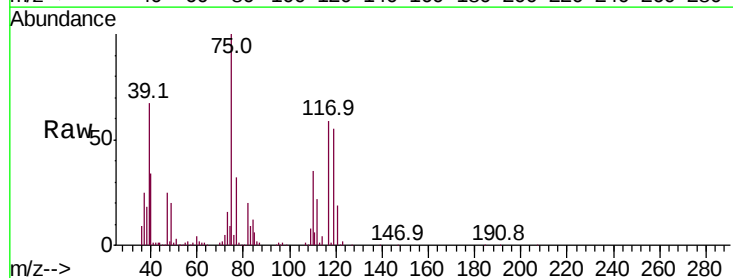
RT: 8.08 min Scan# 1013

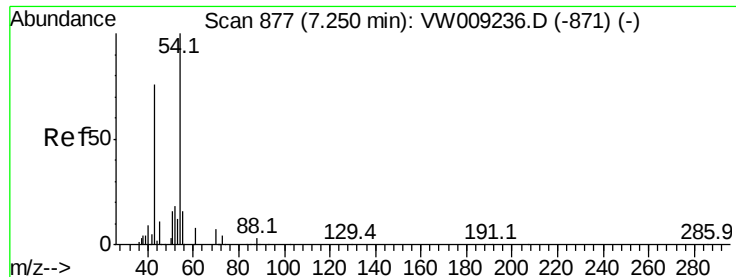
Delta R.T. 0.00 min

Lab File: VW009242.D

Acq: 19 Mar 2019 15:39

Tgt Ion:	75	Resp:	89968
Ion Ratio	Lower	Upper	
75	100		
110	35.4	16.8	50.4
77	31.7	24.6	36.8





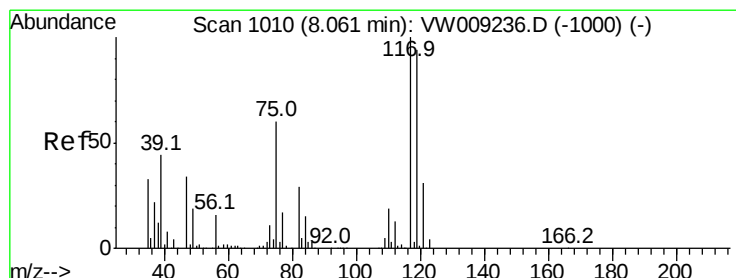
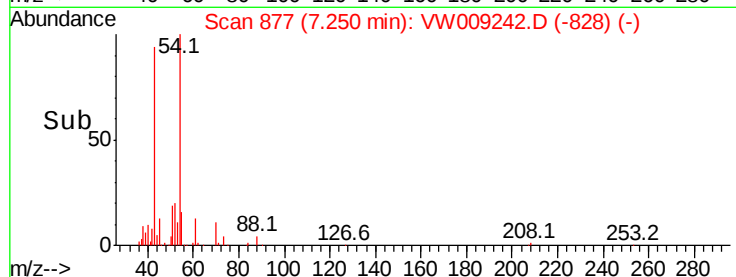
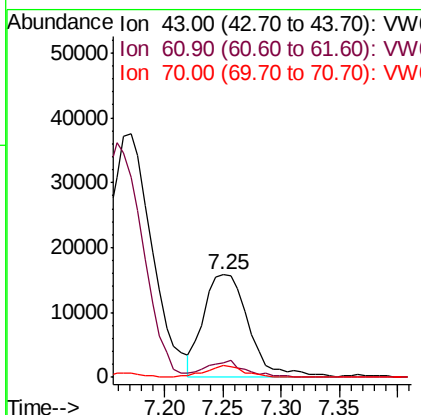
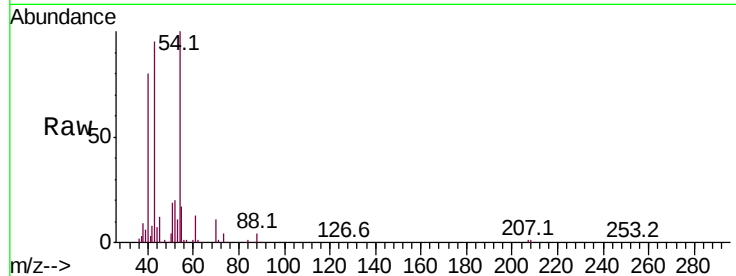
#37
Ethyl Acetate
Concen: 20.064 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Instrument :
MSVOA_W
ClientSampleID :
VW0319SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.0	15.0
70	10.0	7.3	10.9

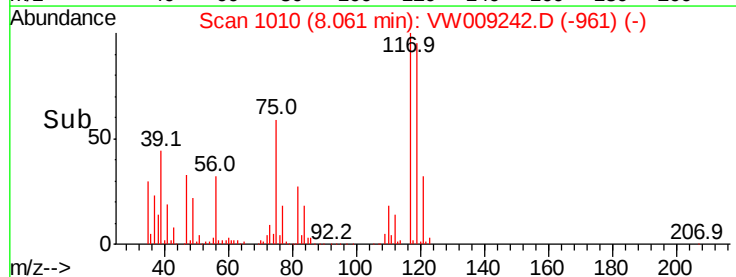
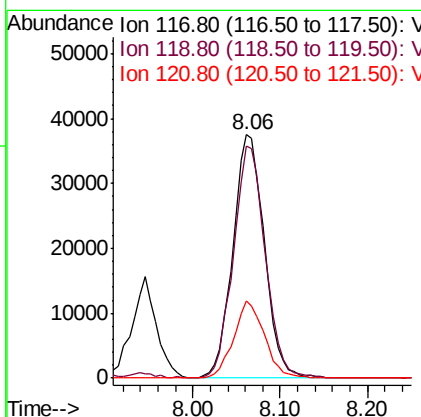
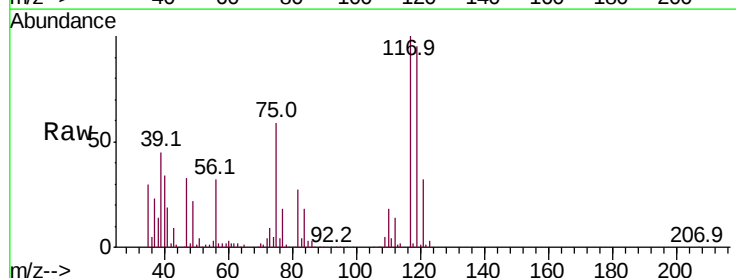
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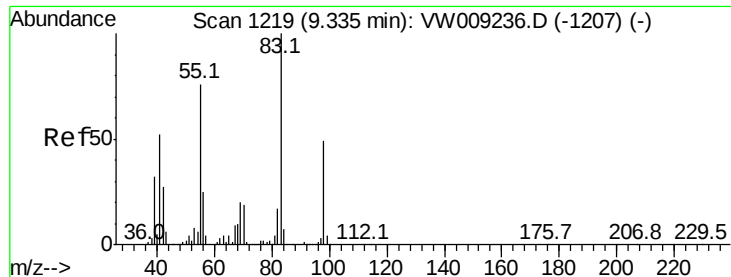
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#38
Carbon Tetrachloride
Concen: 19.326 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	75.4	113.0
121	31.6	24.9	37.3





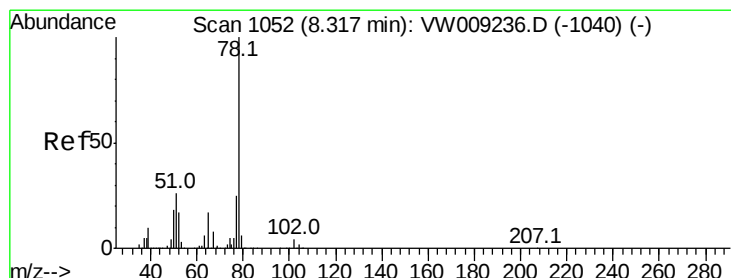
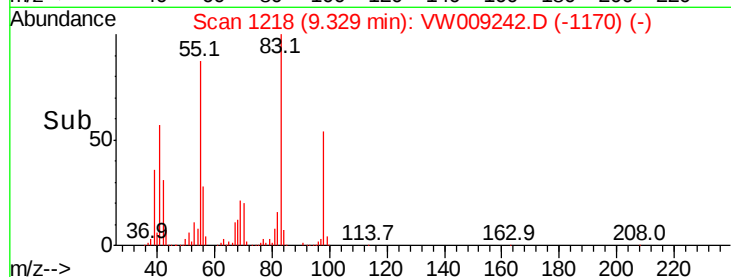
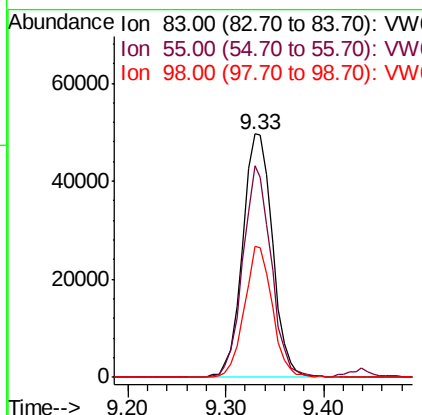
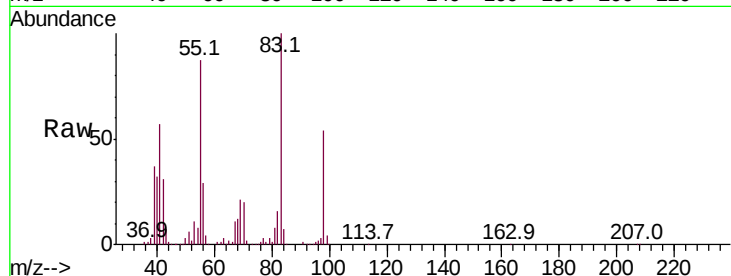
#39
Methvlcvclohexane
Concen: 19.755 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS01

Tot Ion	83	Resp	105033
Ion Ratio	100	Lower	Upper
83	100		
55	86.7	61.1	91.7
98	53.8	39.0	58.4

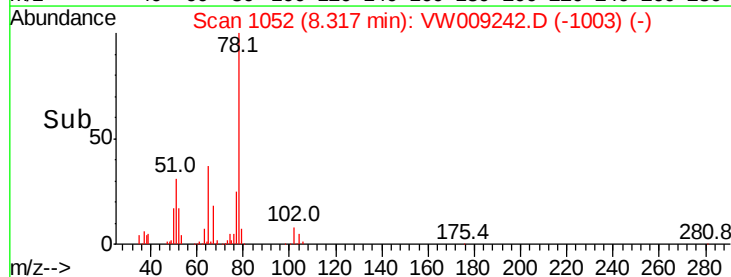
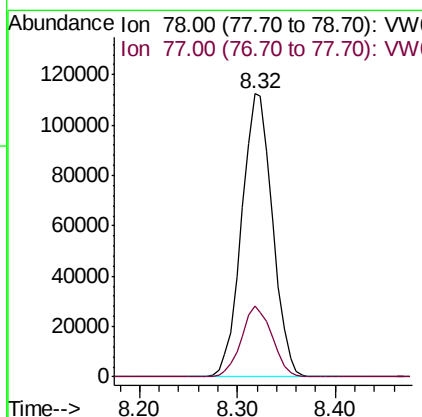
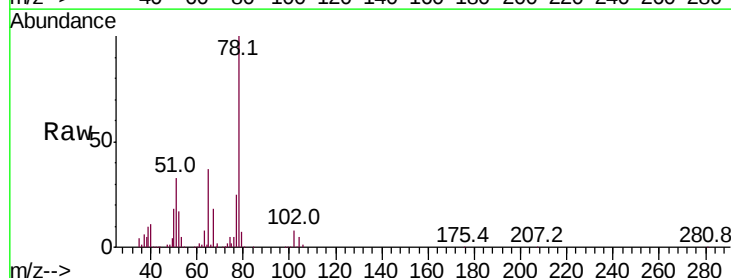
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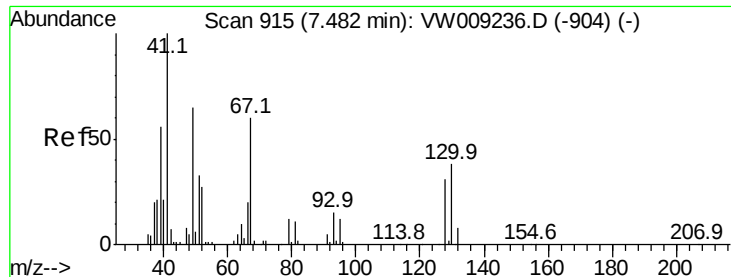
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#40
Benzene
Concen: 19.698 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Tgt Ion	78	Resp	245468
Ion Ratio	100	Lower	Upper
78	100		
77	25.0	19.8	29.6





#41

Methacrylonitrile

Concen: 21.218 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW009242.D

Acq: 19 Mar 2019 15:39

Instrument :

MSVOA_W

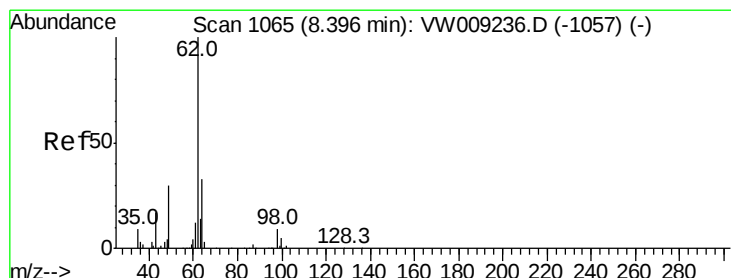
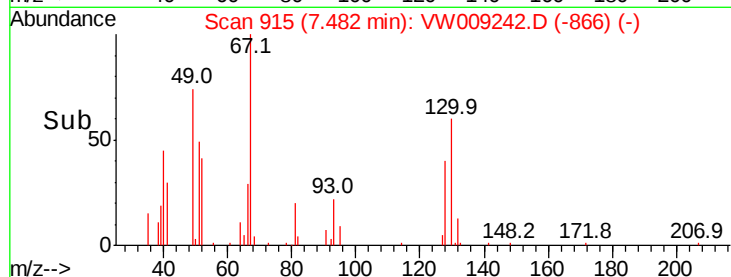
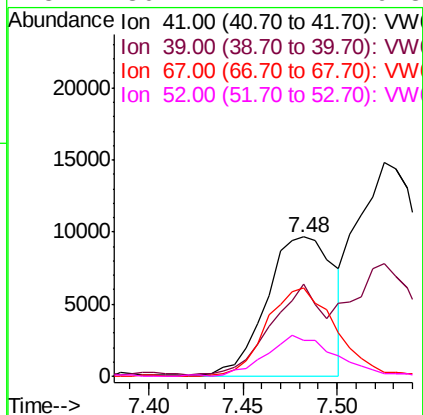
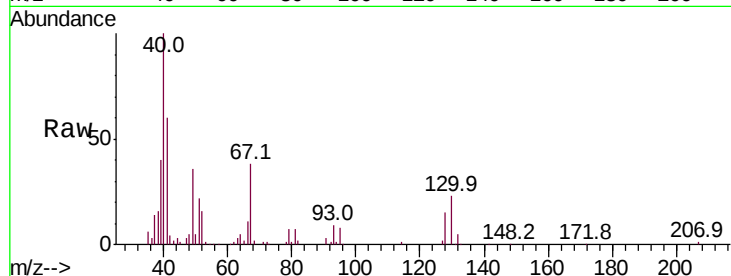
ClientSampleId :

VW0319SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.3	52.5	78.7#
67	66.0	56.6	84.8
52	30.4	27.2	40.8

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.604 ug/l

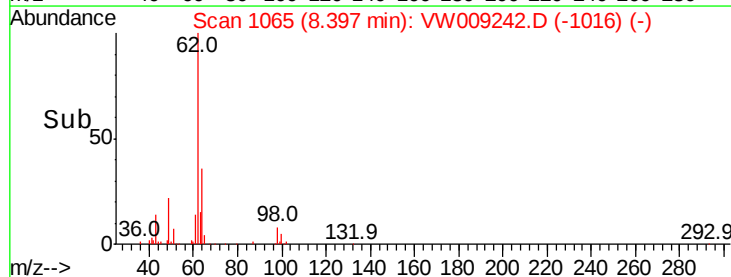
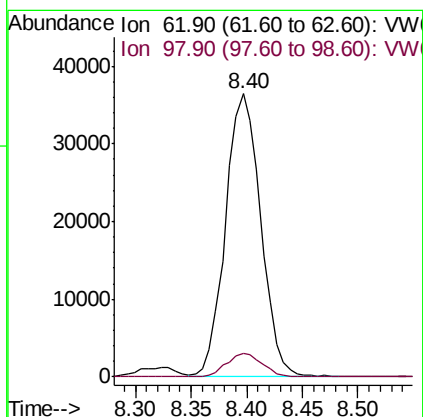
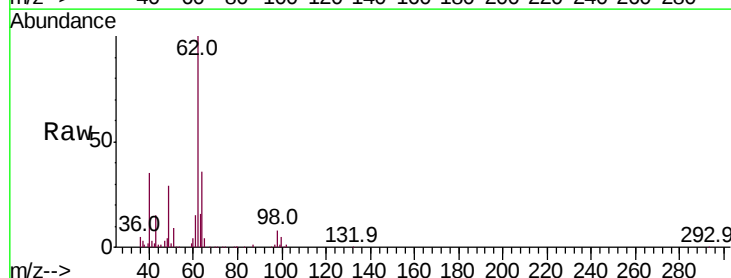
RT: 8.40 min Scan# 1065

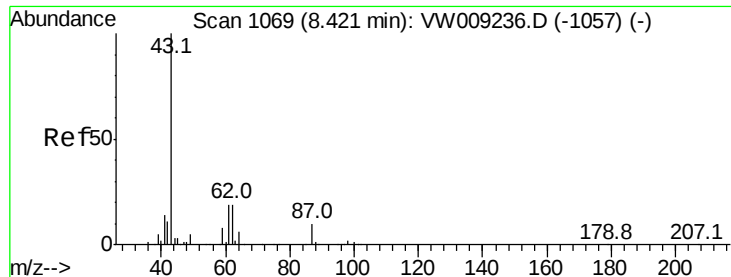
Delta R.T. 0.00 min

Lab File: VW009242.D

Acq: 19 Mar 2019 15:39

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.4





#43

Isopropyl Acetate

Concen: 19.499 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW009242.D

Acq: 19 Mar 2019 15:39

Instrument :

MSVOA_W

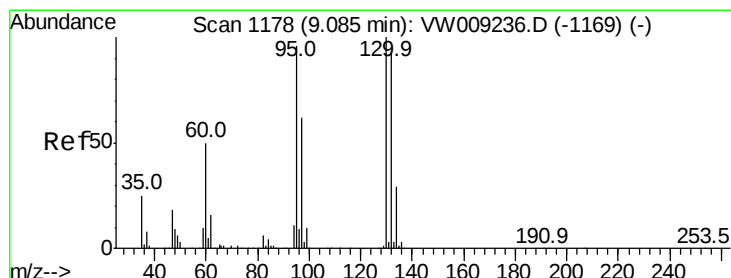
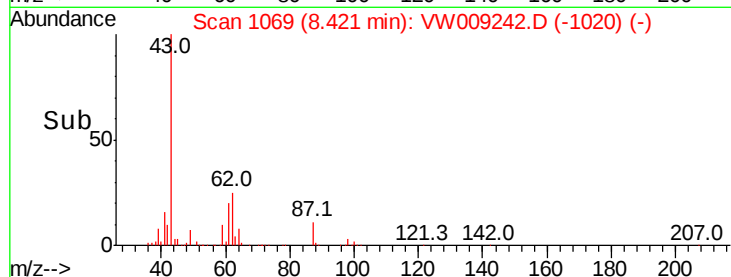
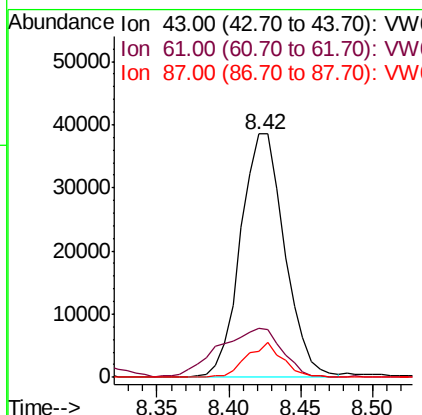
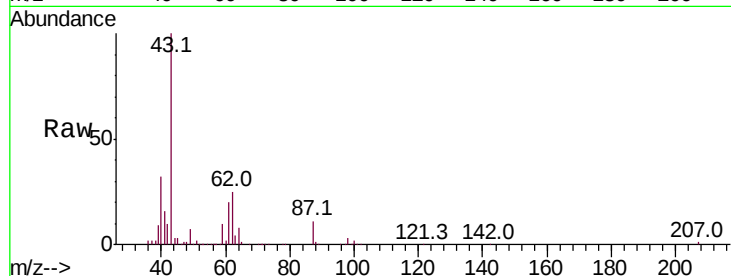
ClientSampleId :

VW0319SBS01

Tot Ion:	43	Resp:	81874
Ion	Ratio	Lower	Upper
43	100		
61	28.0	22.2	33.2
87	11.9	9.6	14.4

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#44

Trichloroethene

Concen: 19.362 ug/l

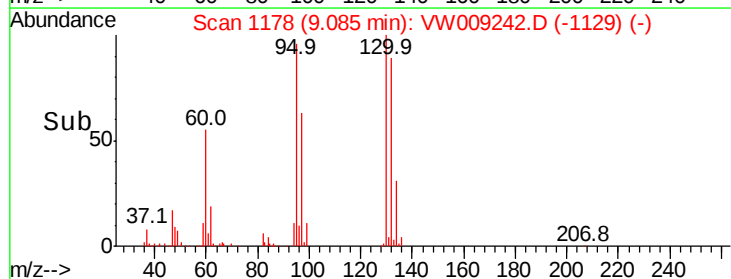
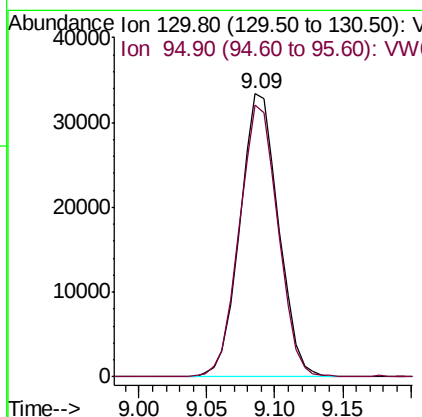
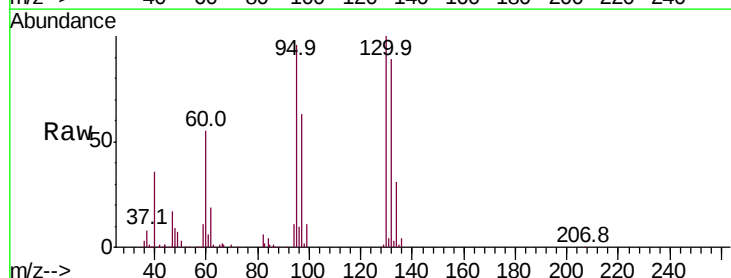
RT: 9.09 min Scan# 1178

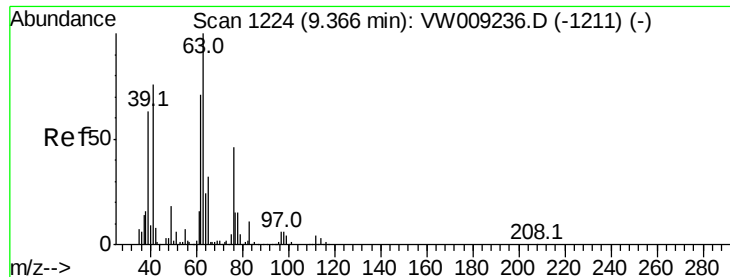
Delta R.T. 0.00 min

Lab File: VW009242.D

Acq: 19 Mar 2019 15:39

Tgt Ion:	130	Resp:	66099
Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	192.6





#45

1,2-Dichloropropane

Concen: 19.421 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009242.D

Acq: 19 Mar 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS01

Tot Ion: 63 Resp: 61523

Ion Ratio Lower Upper

63 100

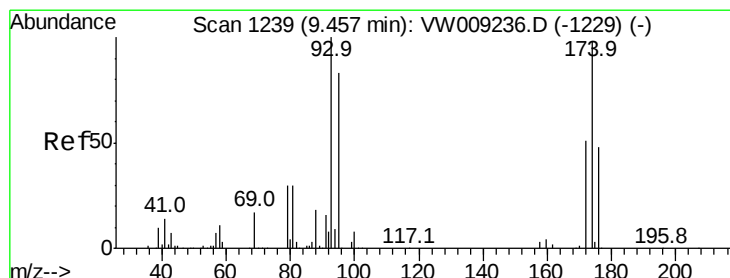
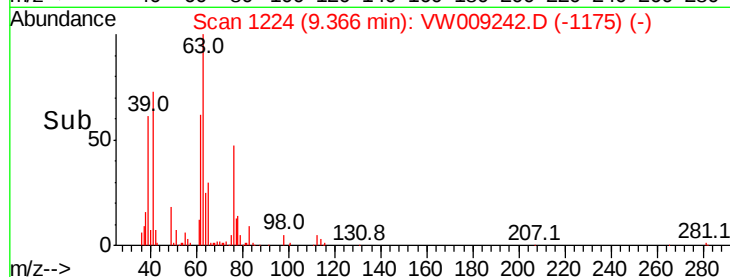
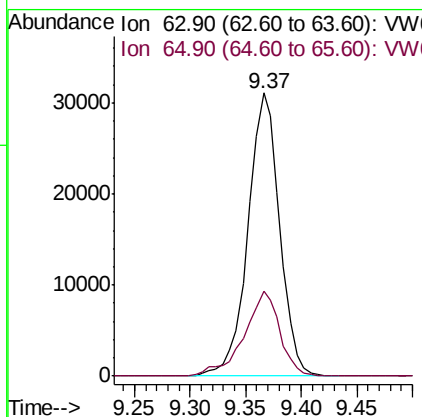
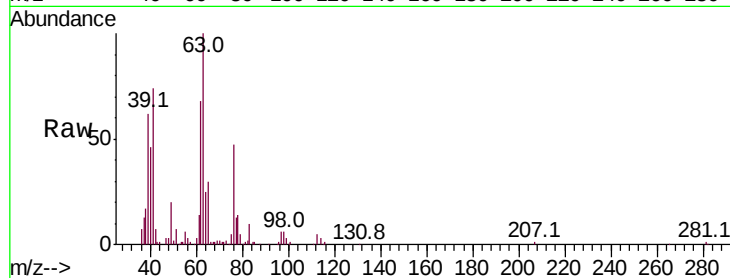
65 30.2 25.8 38.8

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#46

Dibromomethane

Concen: 19.756 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW009242.D

Acq: 19 Mar 2019 15:39

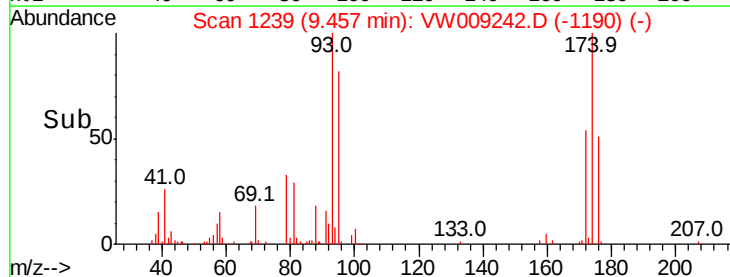
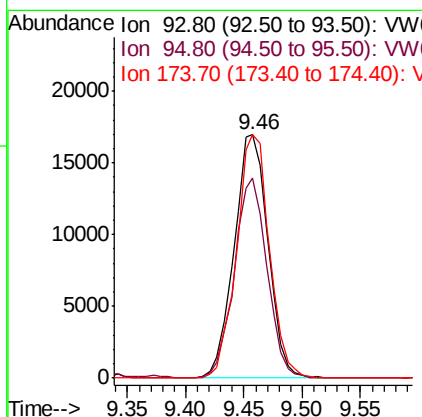
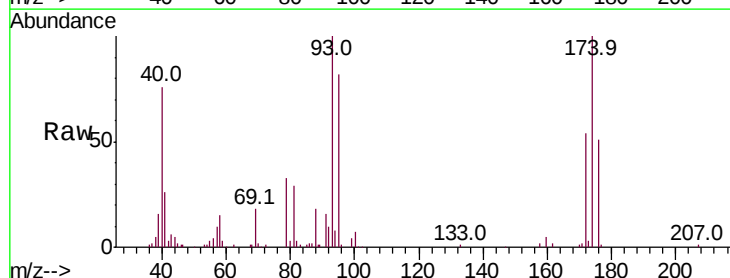
Tgt Ion: 93 Resp: 34416

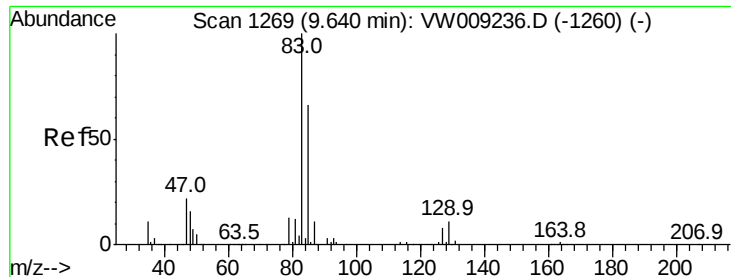
Ion Ratio Lower Upper

93 100

95 79.4 66.9 100.3

174 97.1 80.8 121.2





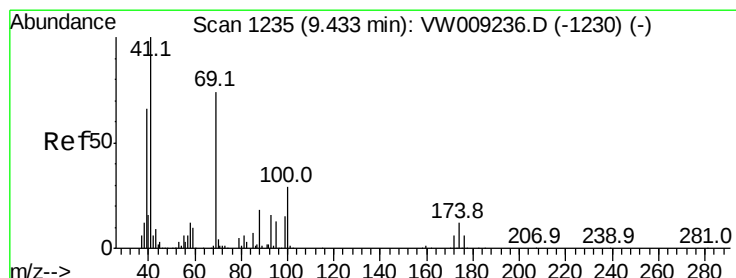
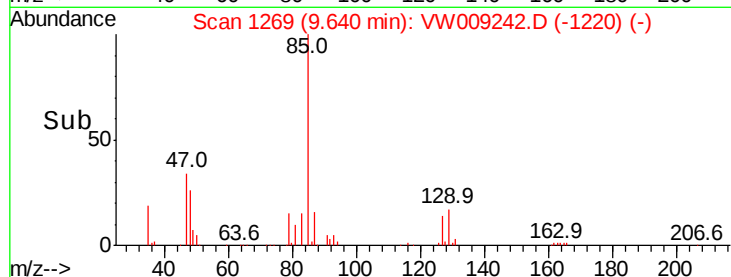
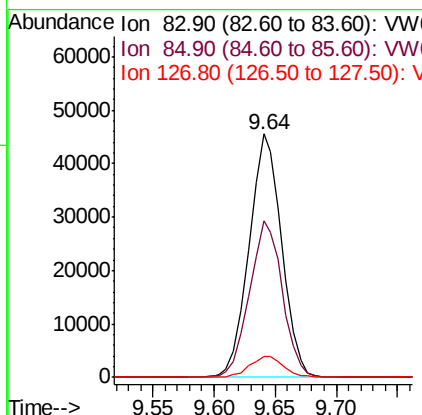
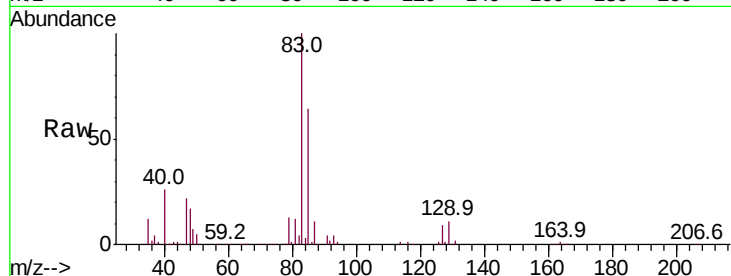
#47
Bromodichloromethane
Concen: 19.202 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.6	79.0
127	8.7	6.5	9.7

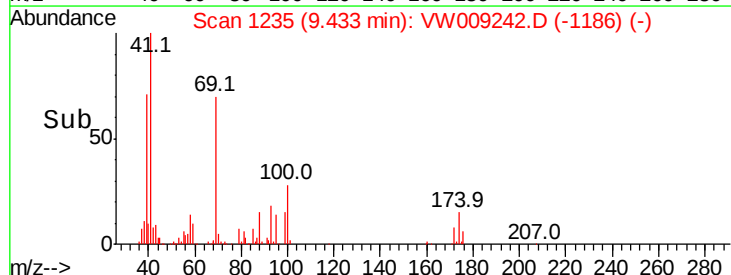
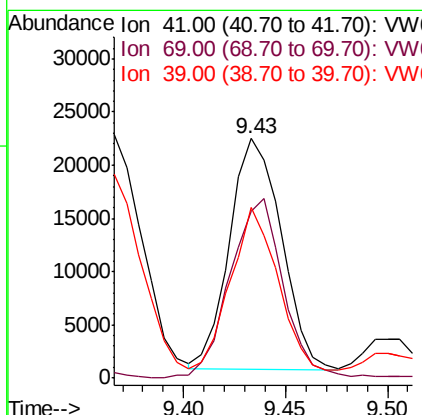
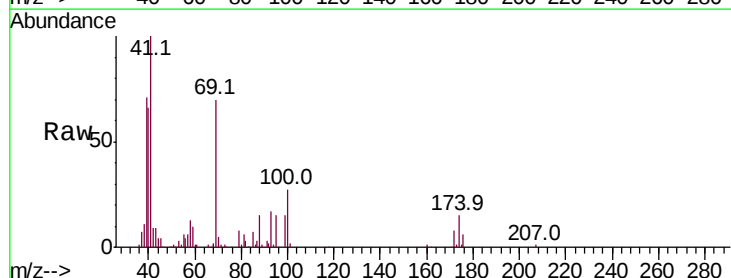
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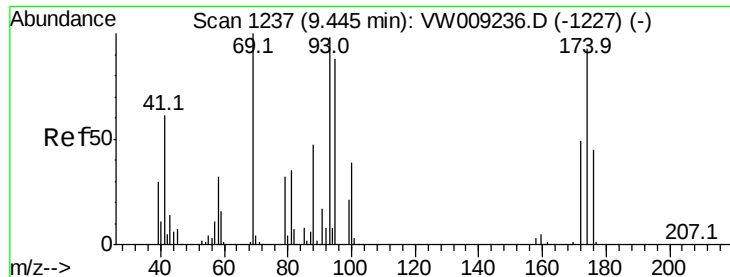
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3/22/2019 3:53:09 AM



#48
Methyl methacrylate
Concen: 19.701 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Tgt Ion	Ratio	Lower	Upper
41	100		
69	81.0	63.0	94.6
39	64.4	57.2	85.8





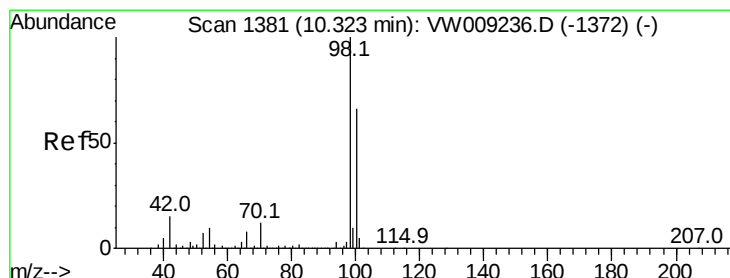
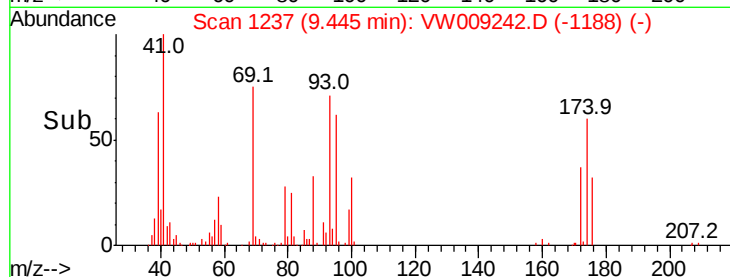
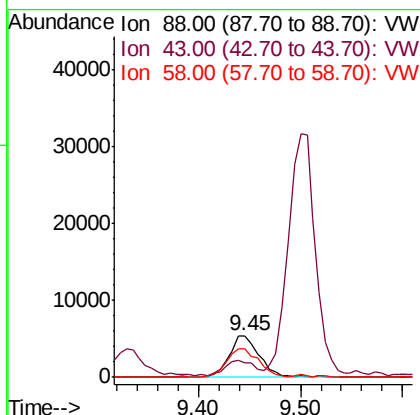
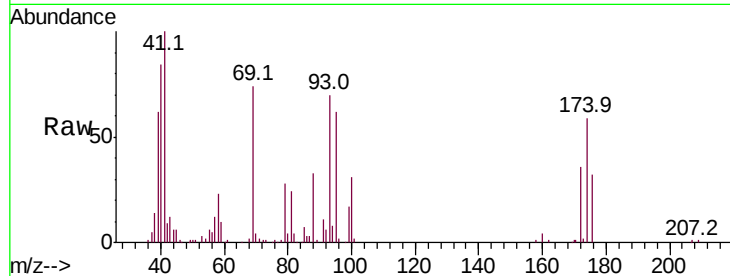
#49
1,4-Dioxane
Concen: 412.435 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS01

Tot Ion	88	Resp	11144
Ion Ratio	Lower	Upper	
88	100		
43	35.7	29.7	44.5
58	74.0	58.1	87.1

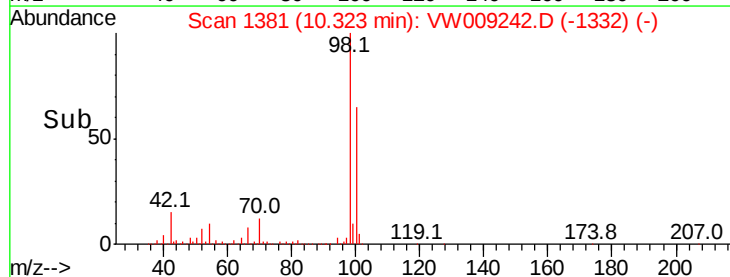
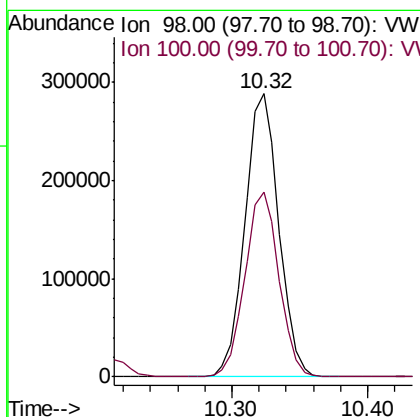
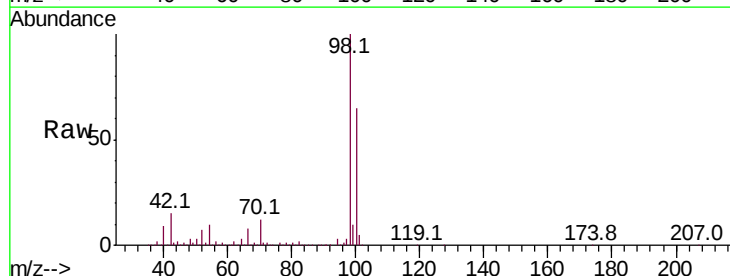
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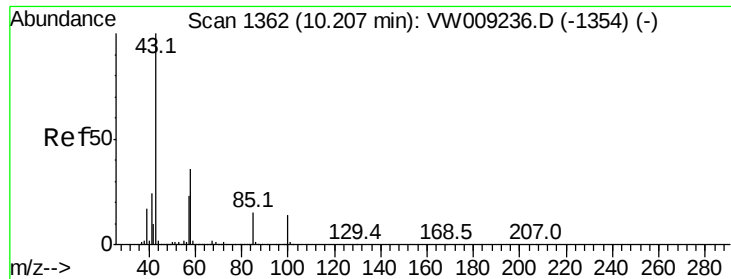
MMDadoda
3/22/2019 3:53:09 AM



#50
Toluene-d8
Concen: 47.197 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Tgt Ion	98	Resp	502446
Ion Ratio	Lower	Upper	
98	100		
100	65.5	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 99.197 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009242.D

Acq: 19 Mar 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS01

Tot Ion: 43 Resp: 217077

Ion Ratio Lower Upper

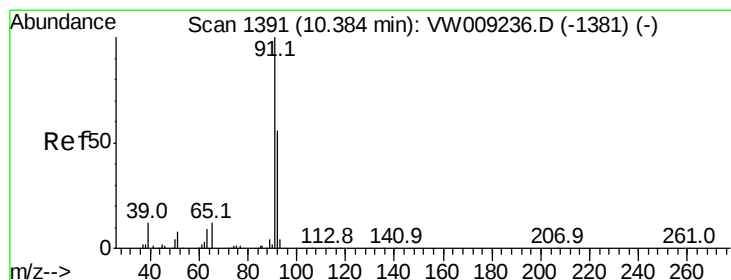
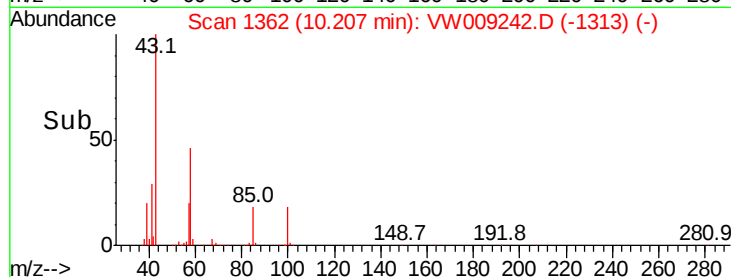
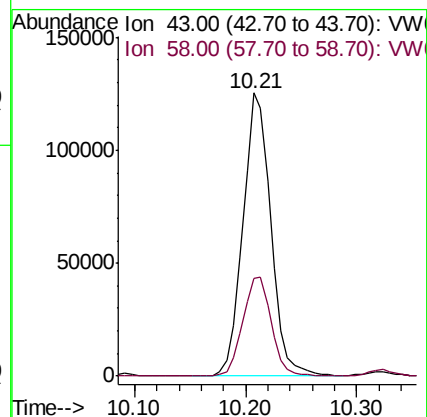
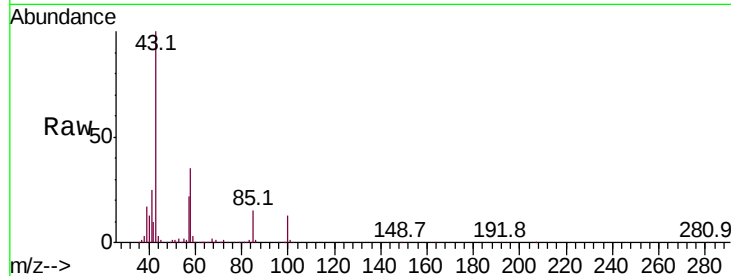
43 100

58 35.7 28.6 42.8

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#52

Toluene

Concen: 19.833 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009242.D

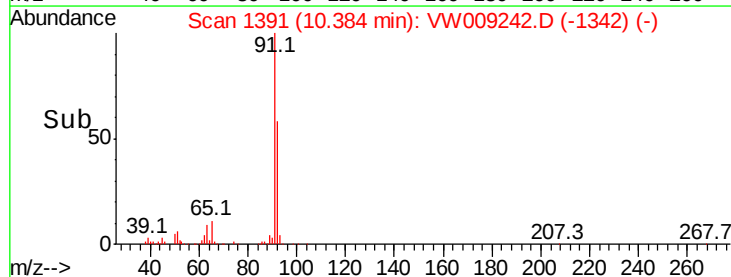
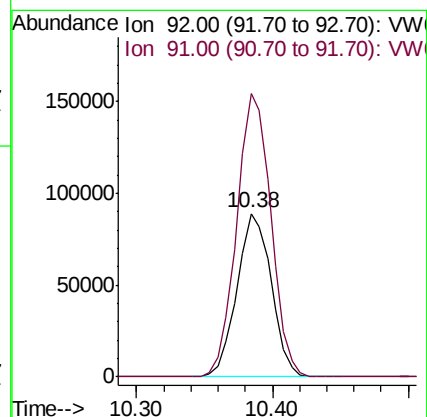
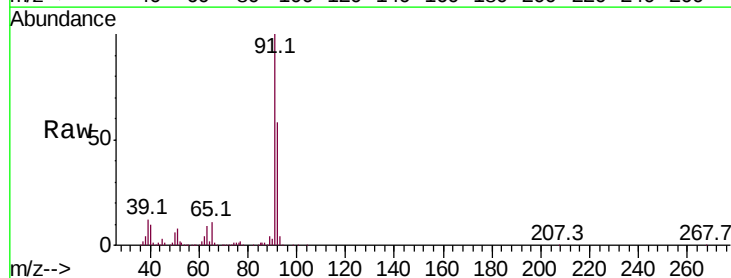
Acq: 19 Mar 2019 15:39

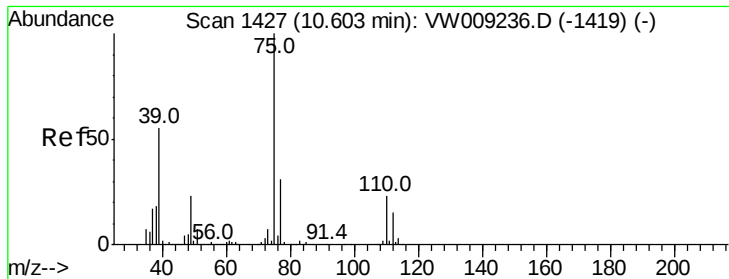
Tgt Ion: 92 Resp: 156604

Ion Ratio Lower Upper

92 100

91 173.6 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 19.440 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009242.D

Acq: 19 Mar 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS01

Tot Ion: 75 Resp: 83450

Ion Ratio Lower Upper

75 100

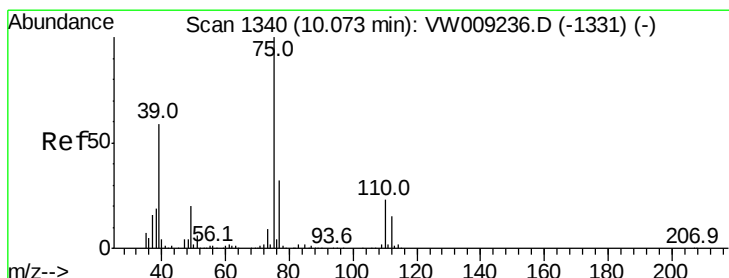
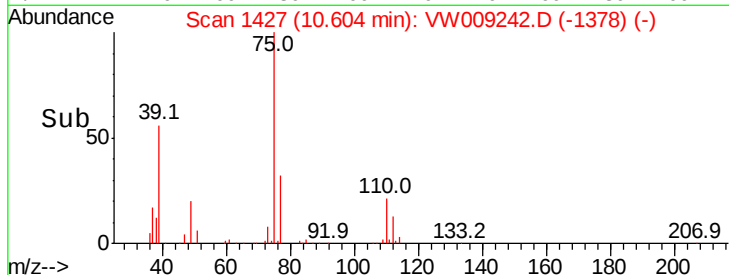
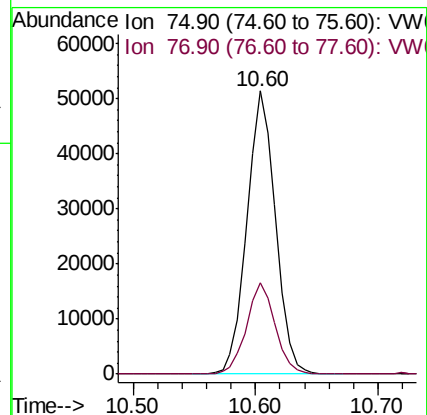
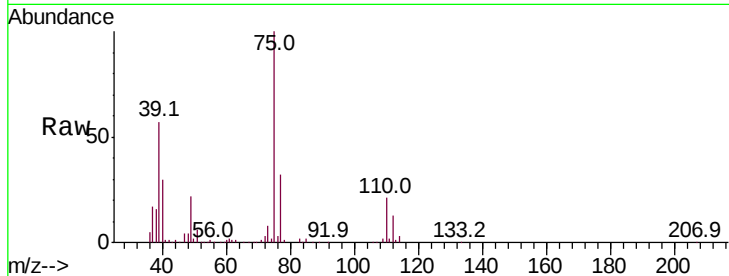
77 32.3 24.8 37.2

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#54

cis-1,3-Dichloropropene

Concen: 19.242 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009242.D

Acq: 19 Mar 2019 15:39

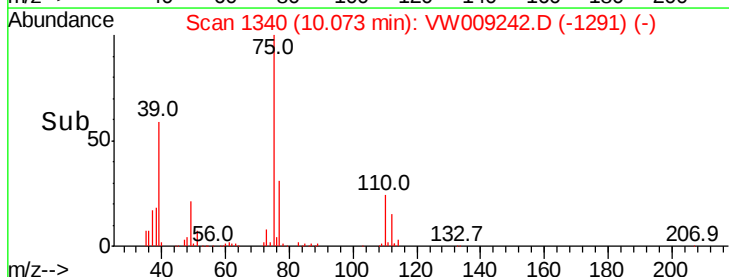
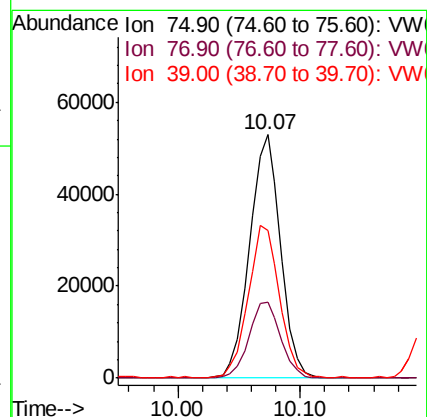
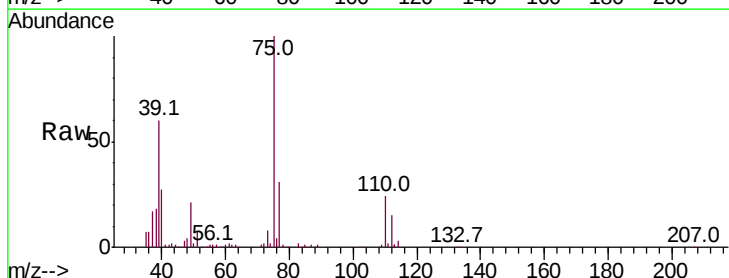
Tgt Ion: 75 Resp: 92928

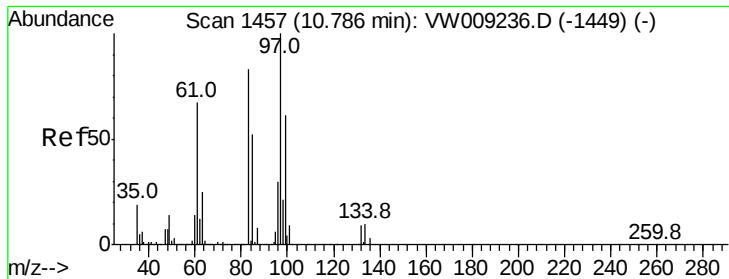
Ion Ratio Lower Upper

75 100

77 31.1 25.9 38.9

39 60.1 46.8 70.2





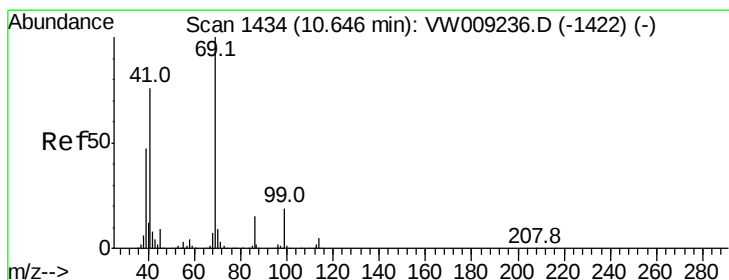
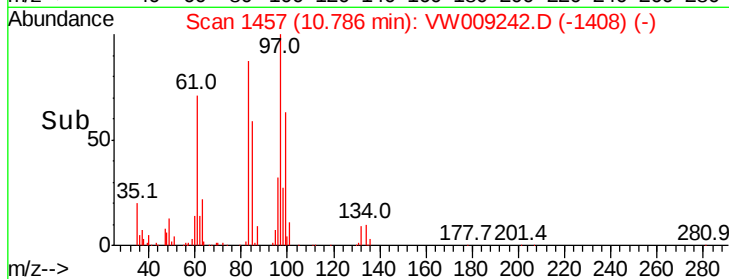
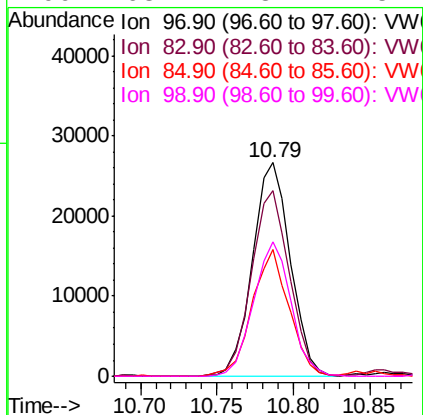
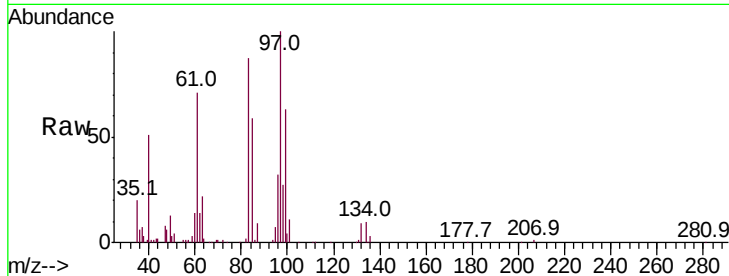
#55
 1,1,2-Trichloroethane
 Concen: 19.484 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009242.D
 Acq: 19 Mar 2019 15:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS01

Tot Ion:	97	Resp:	45959
Ion	Ratio	Lower	Upper
97	100		
83	87.0	66.3	99.5
85	59.4	41.4	62.2
99	63.2	48.7	73.1

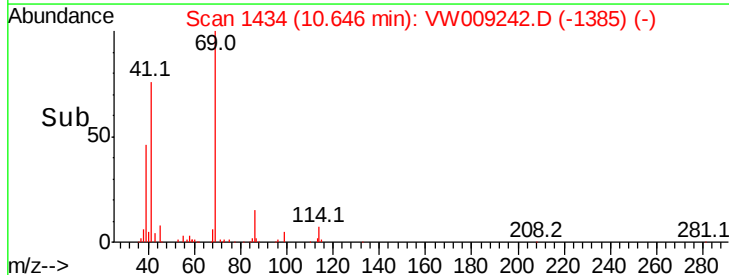
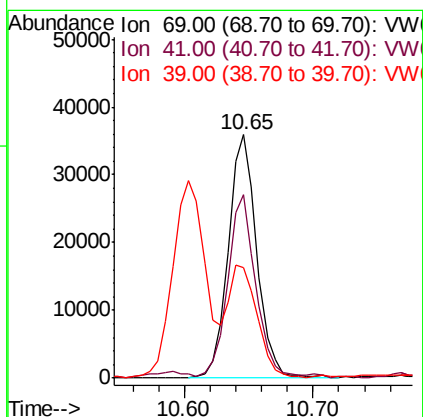
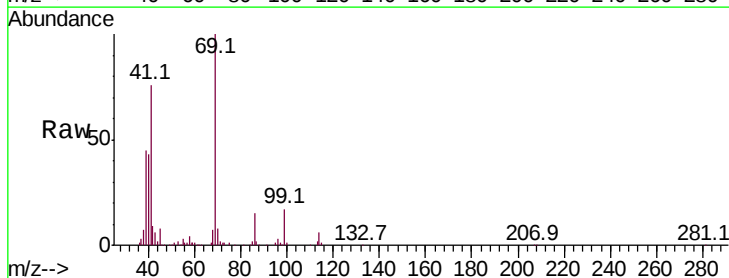
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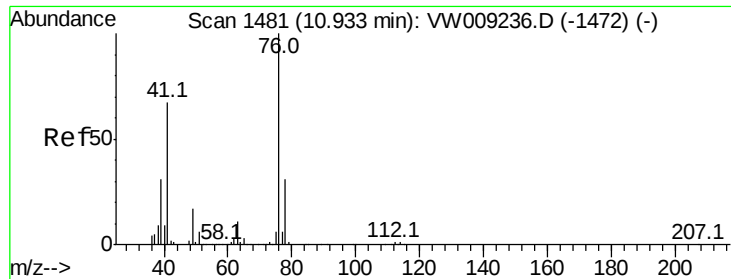
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#56
 Ethyl methacrylate
 Concen: 19.634 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009242.D
 Acq: 19 Mar 2019 15:39

Tgt Ion:	69	Resp:	55149
Ion	Ratio	Lower	Upper
69	100		
41	72.6	59.3	88.9
39	47.0	36.2	54.2





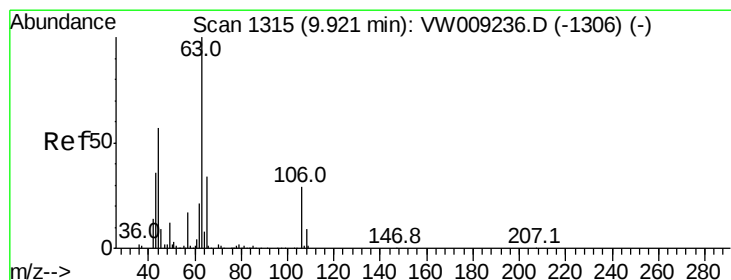
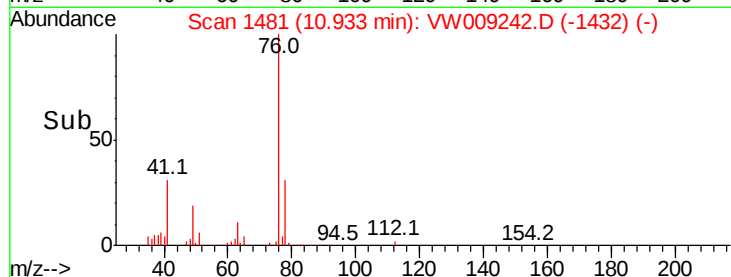
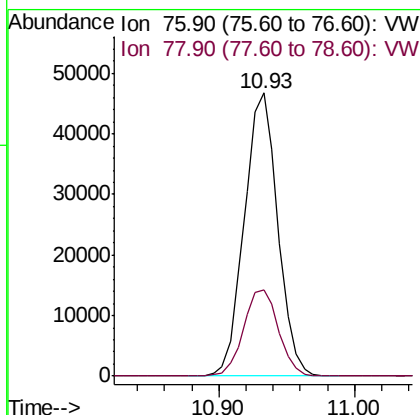
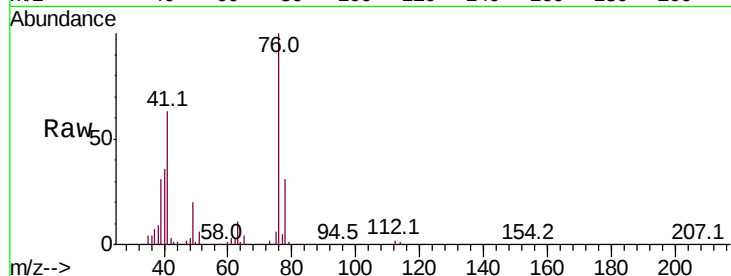
#57
 1,3-Dichloropropane
 Concen: 19.801 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW009242.D
 Acq: 19 Mar 2019 15:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS01

Tot Ion: 76 Resp: 80559
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.6

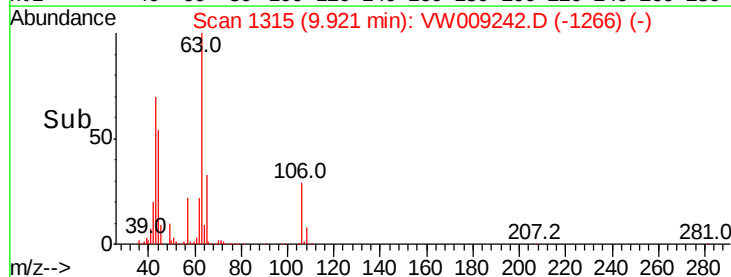
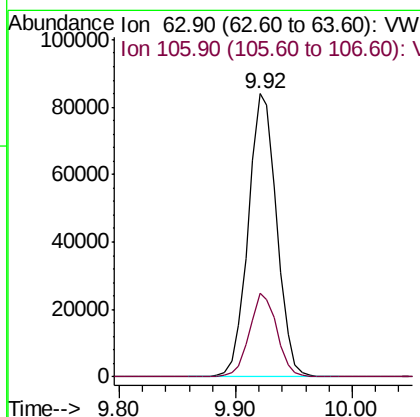
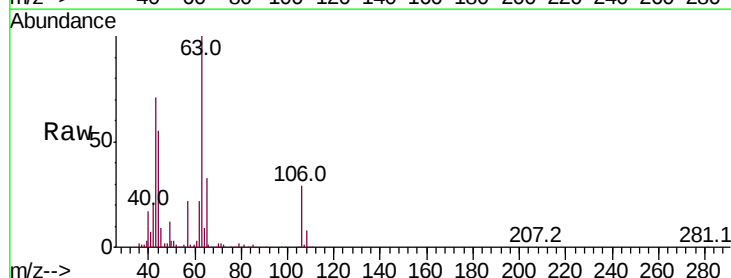
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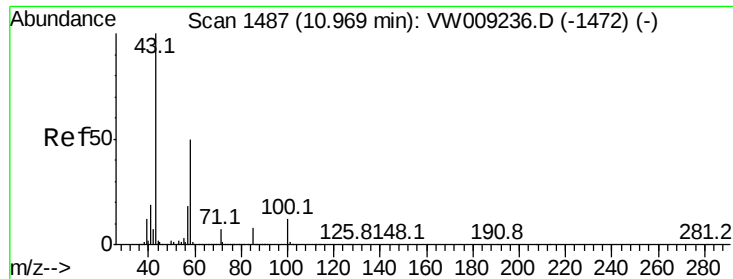
MMDadoda
 3/22/2019 3:53:09 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 174.335 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW009242.D
 Acq: 19 Mar 2019 15:39

Tgt Ion: 63 Resp: 143277
 Ion Ratio Lower Upper
 63 100
 106 28.5 22.9 34.3





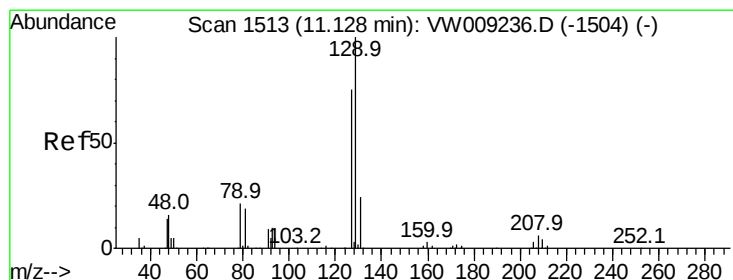
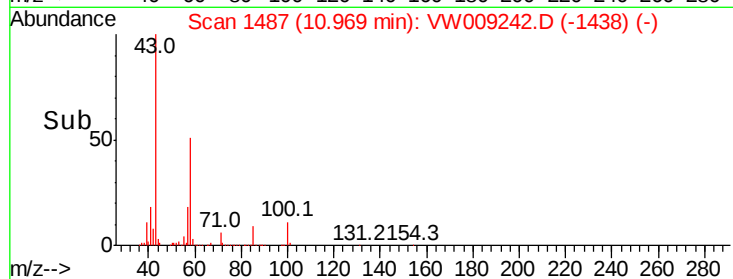
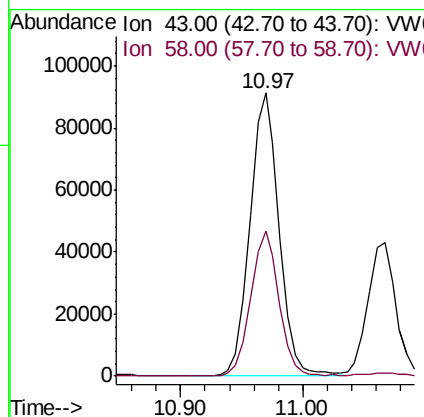
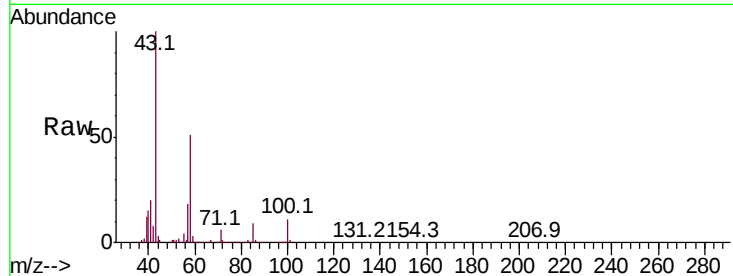
#59
2-Hexanone
Concen: 101.329 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Instrument :
MSVOA_W
ClientSampled :
VW0319SBS01

Tot Ion: 43 Resp: 150540
Ion Ratio Lower Upper
43 100
58 50.0 24.2 72.6

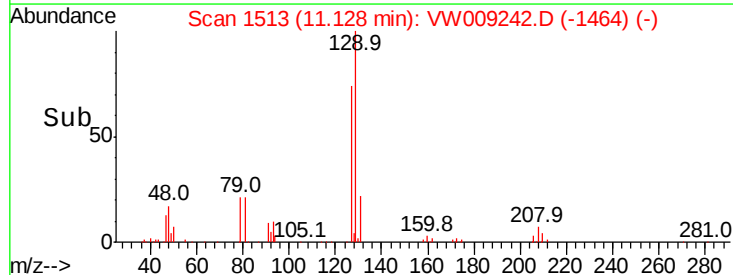
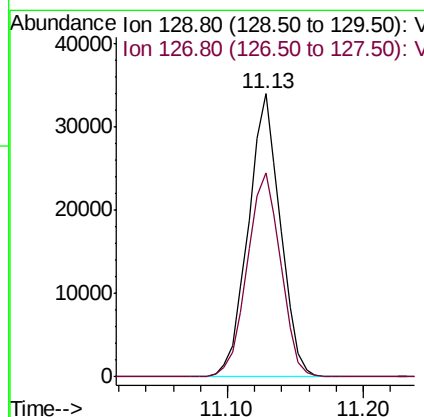
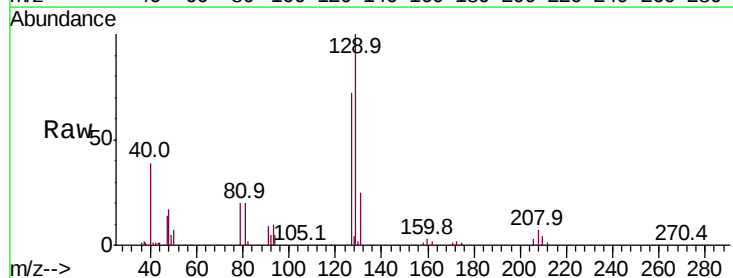
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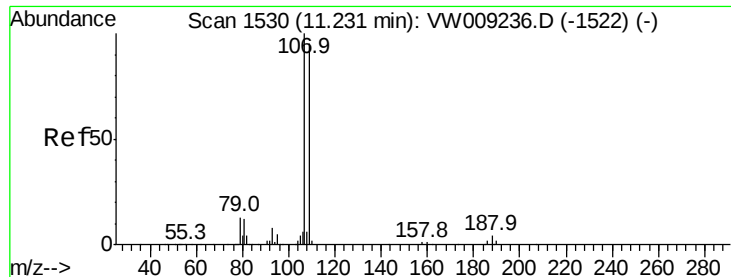
MMDadoda
3/22/2019 3:53:09 AM



#60
Dibromochloromethane
Concen: 19.191 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Tgt Ion: 129 Resp: 55928
Ion Ratio Lower Upper
129 100
127 75.2 38.1 114.5





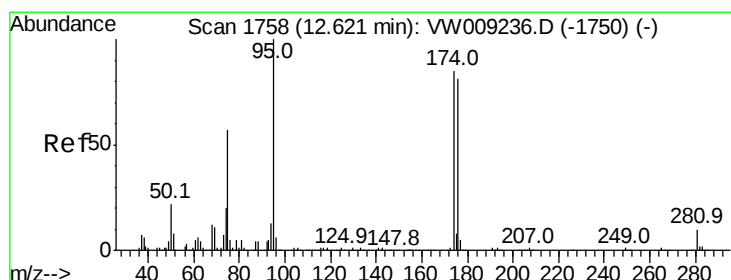
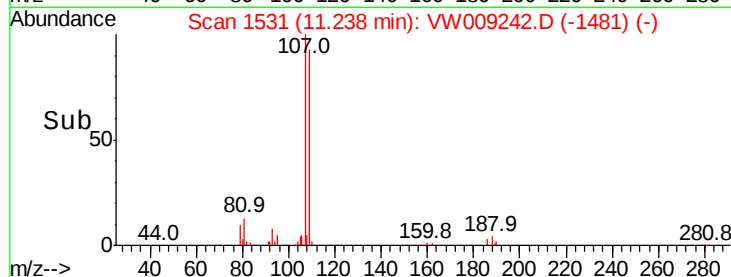
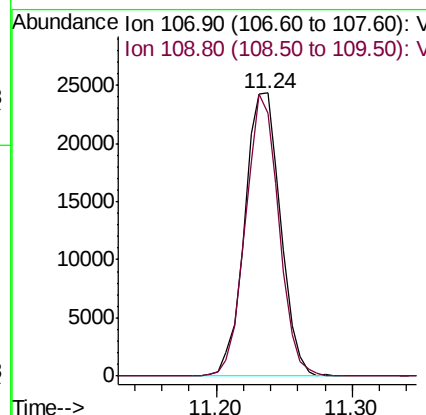
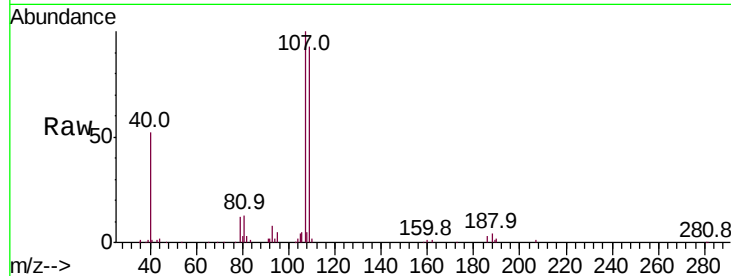
#61
 1,2-Dibromoethane
 Concen: 19.946 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW009242.D
 Acq: 19 Mar 2019 15:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS01

Tot Ion: 107 Resp: 44812
 Ion Ratio Lower Upper
 107 100
 109 92.7 75.1 112.7

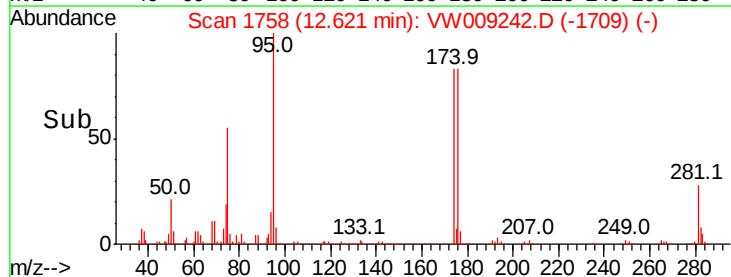
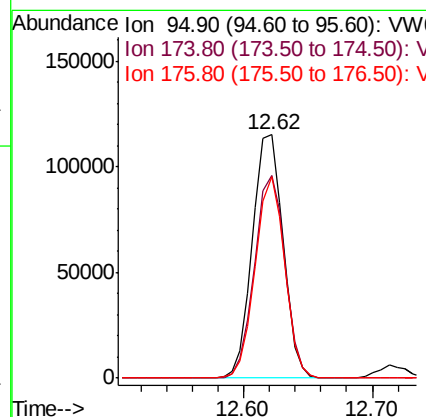
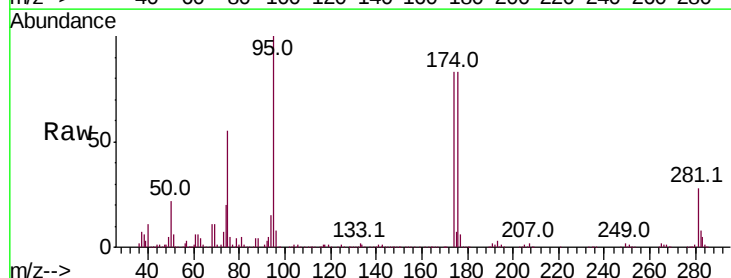
Manual Integrations
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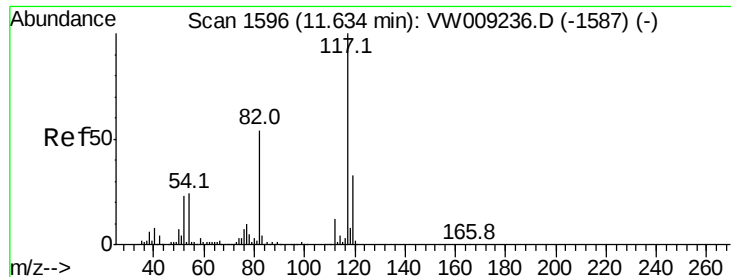
MMDadoda
 3/22/2019 3:53:09 AM



#62
 4-Bromofluorobenzene
 Concen: 48.351 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW009242.D
 Acq: 19 Mar 2019 15:39

Tgt Ion: 95 Resp: 188992
 Ion Ratio Lower Upper
 95 100
 174 82.8 0.0 168.4
 176 79.3 0.0 161.6





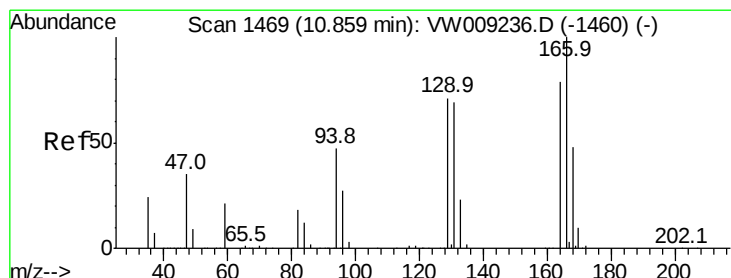
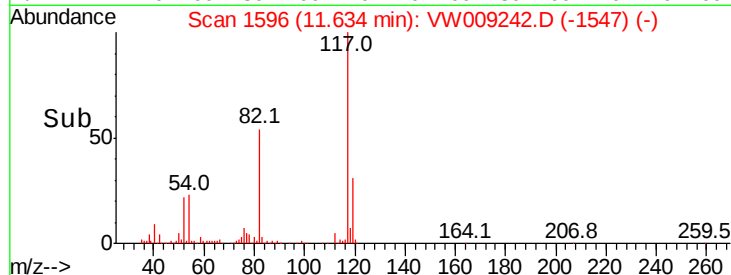
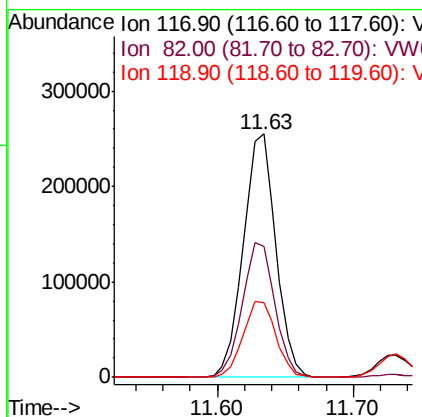
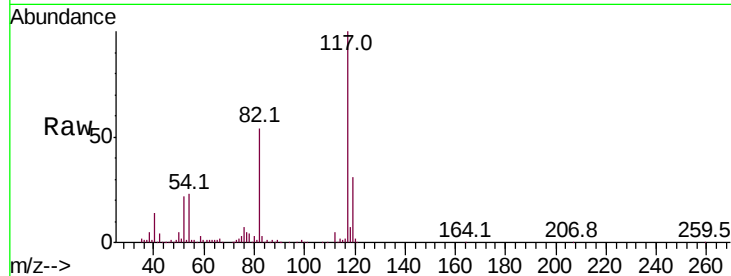
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	43.6	65.4
119	30.8	26.0	39.0

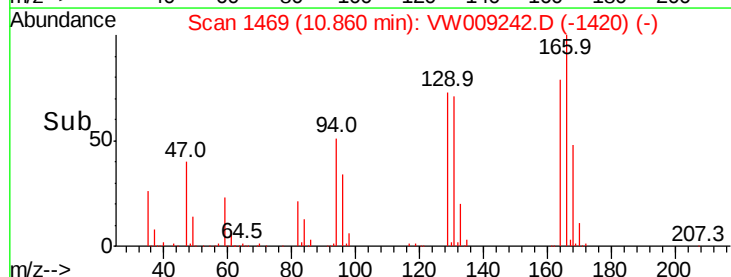
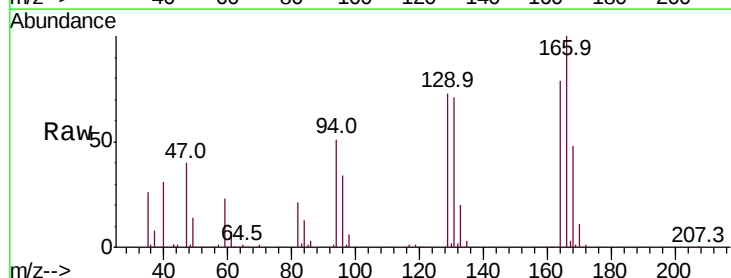
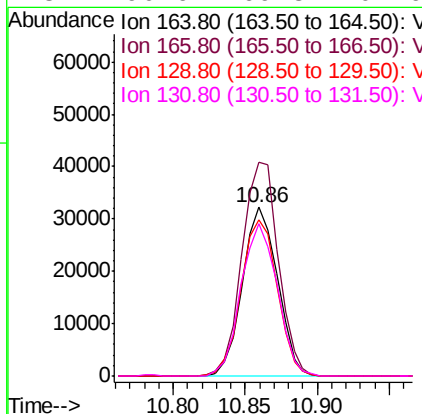
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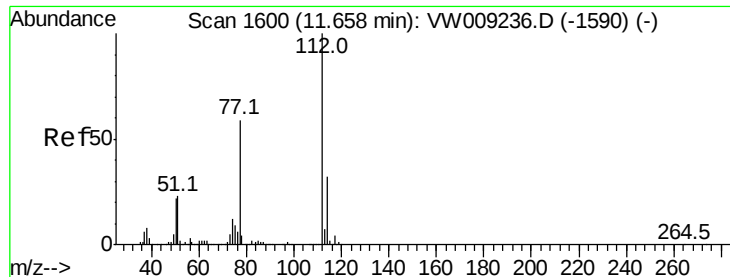
MMDadoda
3/22/2019 3:53:09 AM



#64
Tetrachloroethene
Concen: 18.619 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	100.9	151.3
129	92.9	72.0	108.0
131	90.6	69.8	104.6





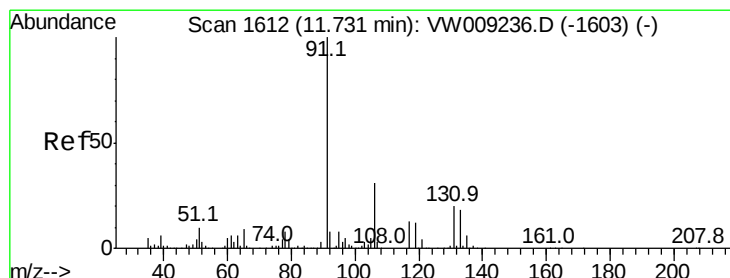
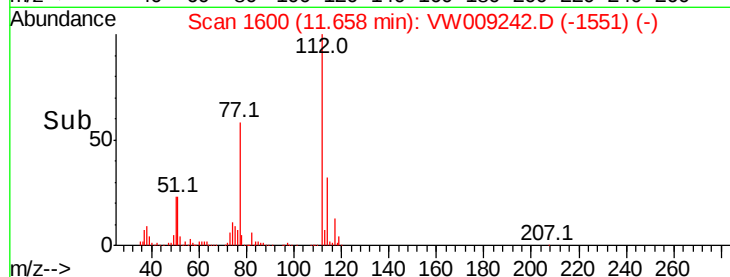
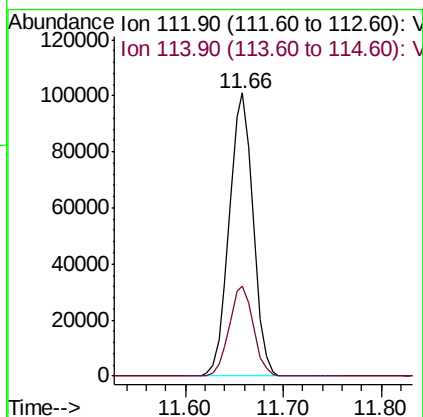
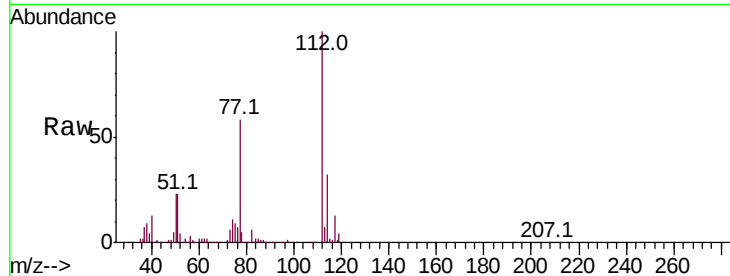
#65
Chlorobenzene
Concen: 19.380 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.6	38.4

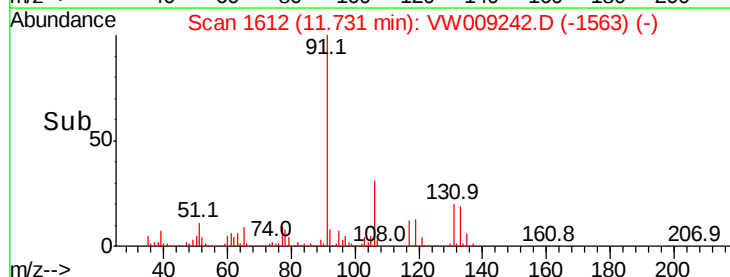
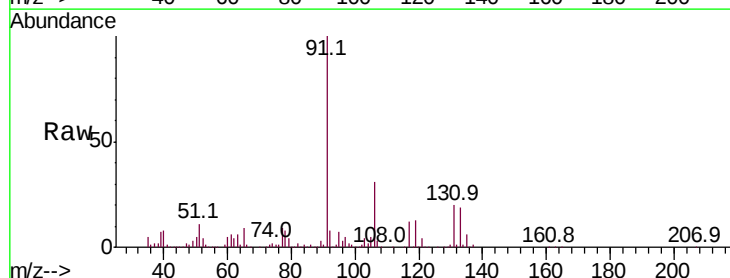
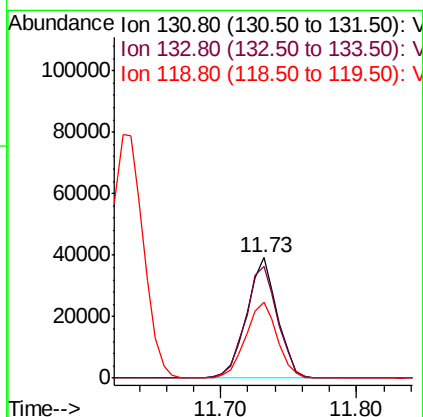
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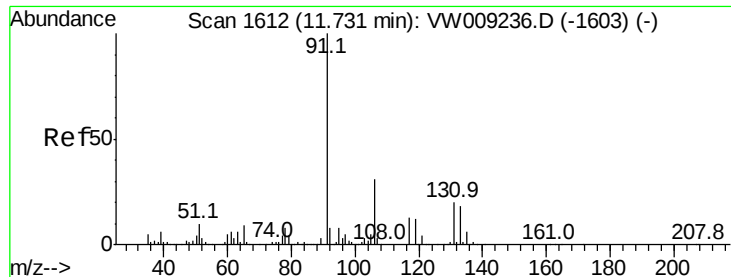
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.757 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.3	141.8
119	64.8	31.6	95.0





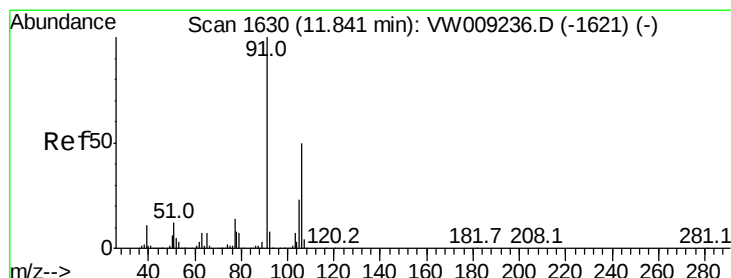
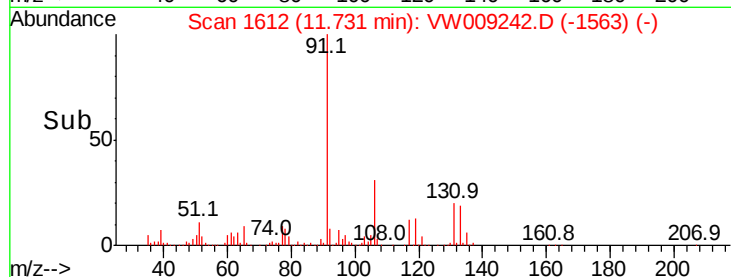
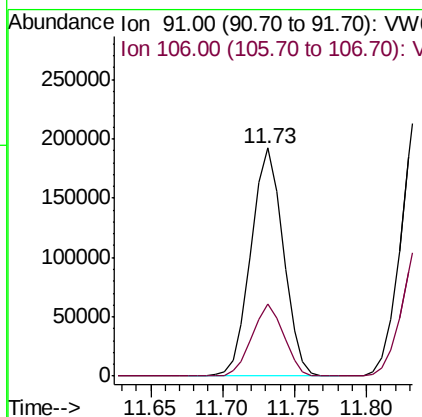
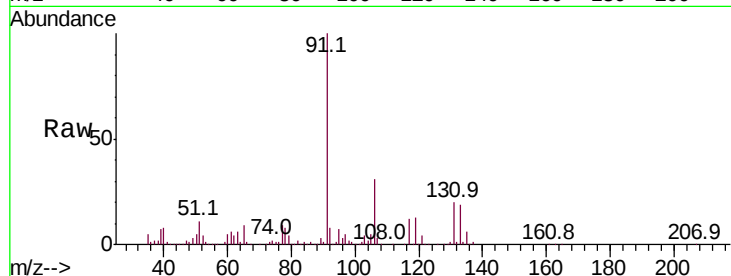
#67
Ethyl Benzene
Concen: 19.597 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS01

Tot Ion: 91 Resp: 298933
Ion Ratio Lower Upper
91 100
106 31.4 24.6 36.8

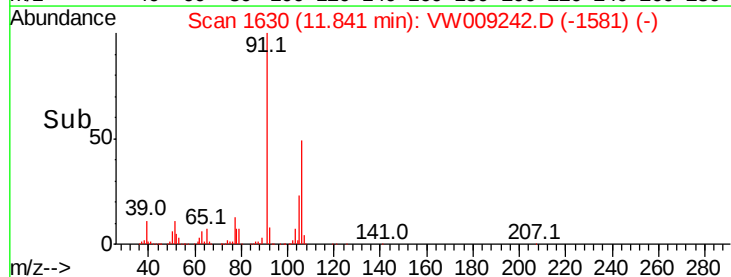
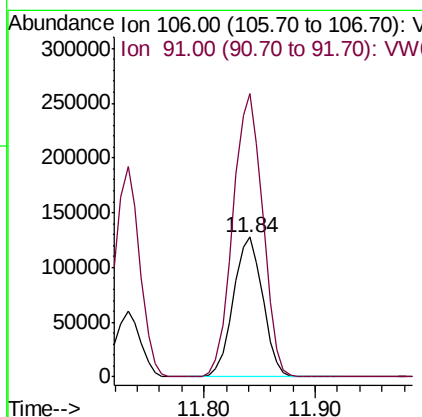
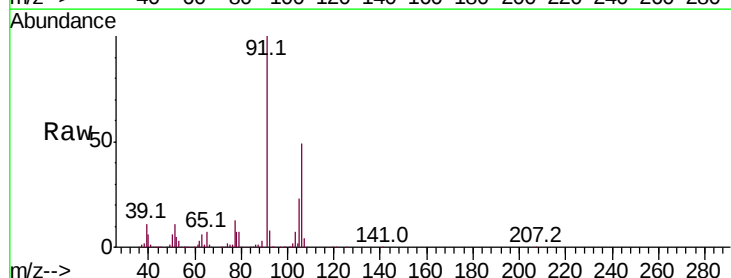
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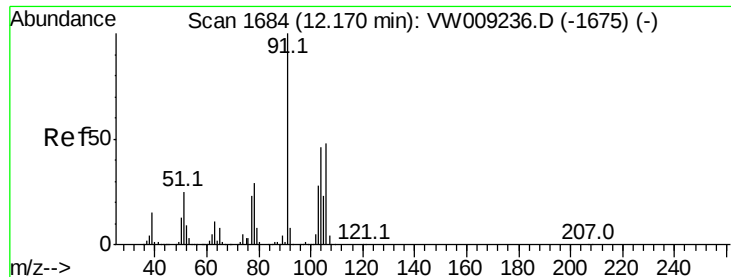
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#68
m/p-Xylenes
Concen: 39.599 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Tgt Ion: 106 Resp: 234128
Ion Ratio Lower Upper
106 100
91 204.6 163.1 244.7





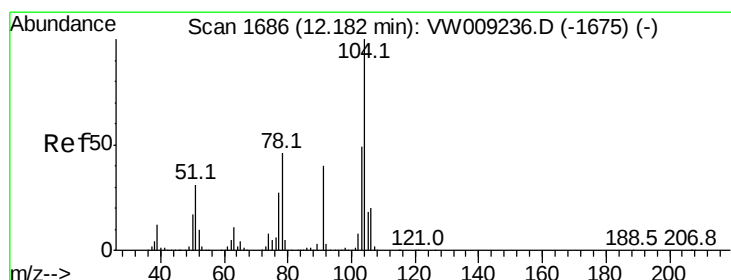
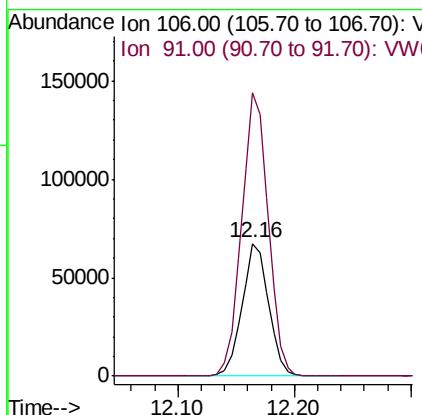
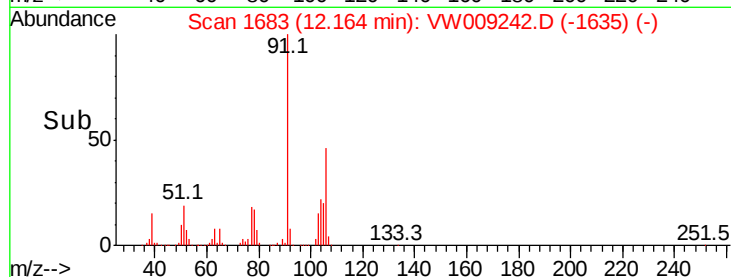
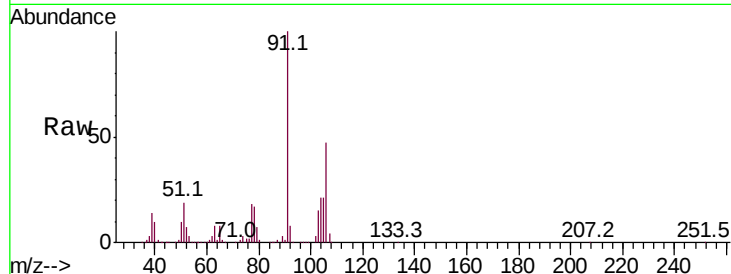
#69
o-Xylene
Concen: 19.516 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS01

Tot Ion:106 Resp: 107150
Ion Ratio Lower Upper
106 100
91 213.7 108.6 325.8

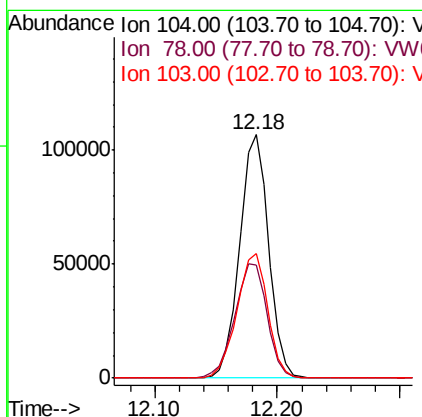
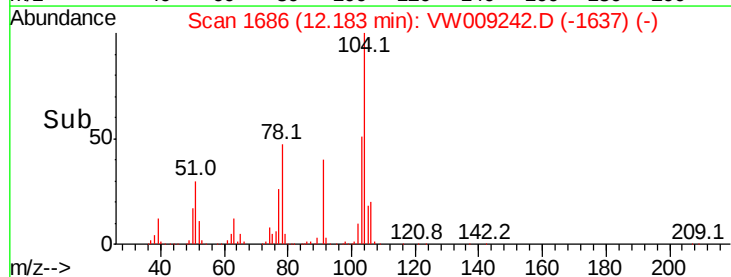
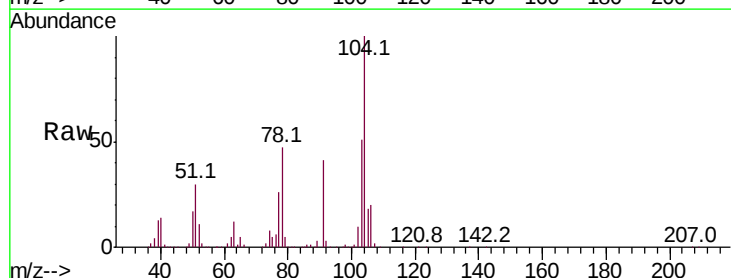
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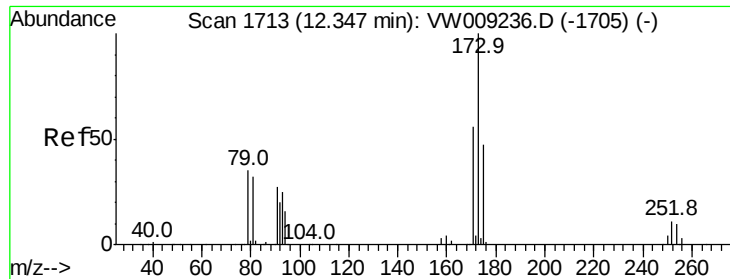
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#70
Styrene
Concen: 19.352 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Tgt Ion:104 Resp: 175181
Ion Ratio Lower Upper
104 100
78 52.6 42.2 63.4
103 54.6 44.6 66.8





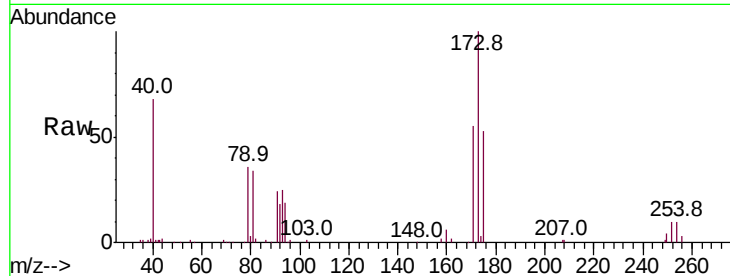
#71
Bromoform
Concen: 18.664 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.1	72.4
254	0.1	0.2	0.4

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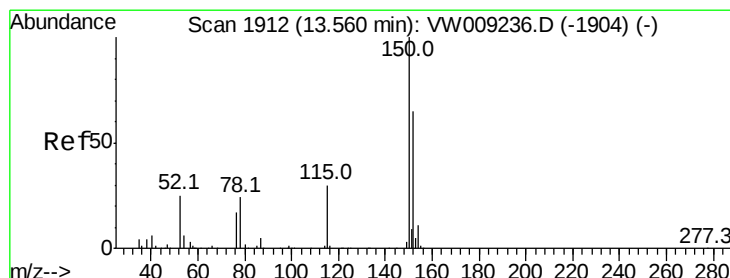
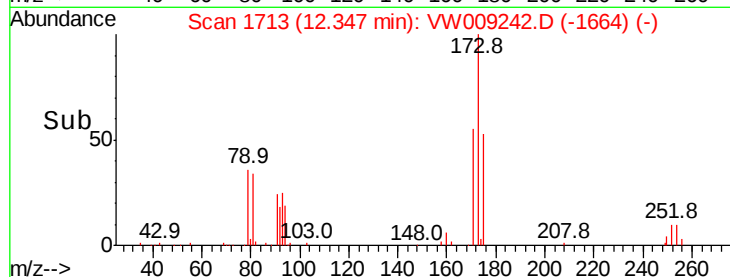
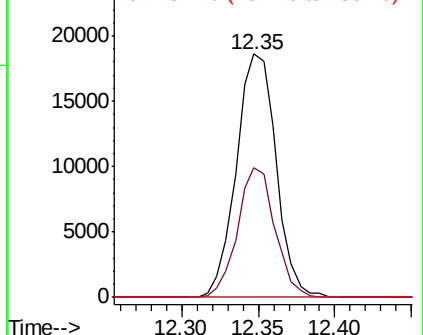


Abundance

Ion 172.70 (172.40 to 173.40): V

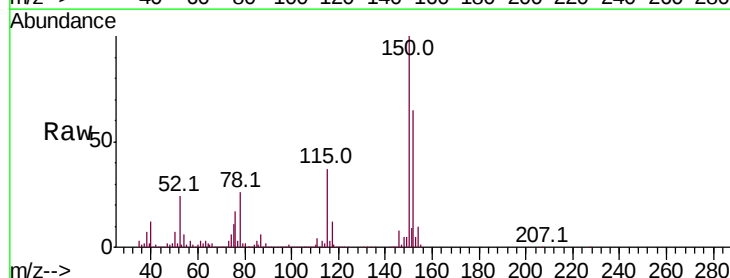
Ion 174.70 (174.40 to 175.40): V

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: VW009242.D
Acq: 19 Mar 2019 15:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	29.6	88.8
150	160.8	0.0	349.2

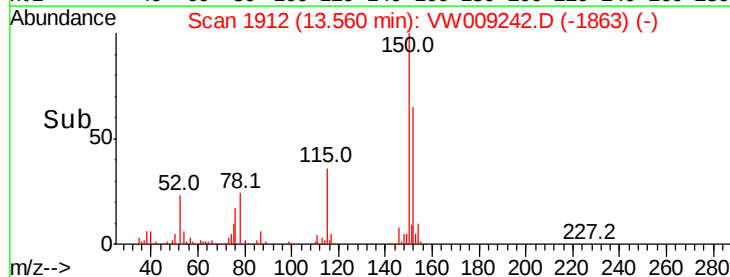
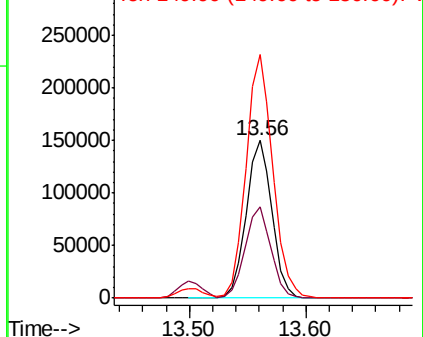


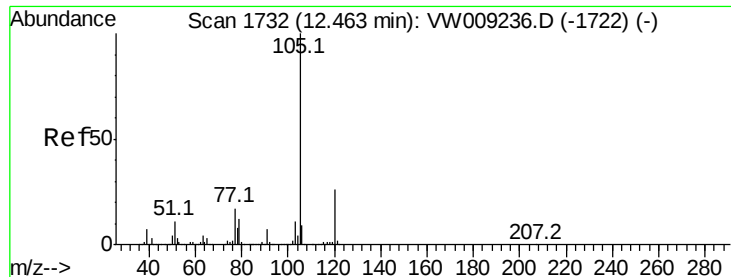
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.780 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW009242.D

Acq: 19 Mar 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS01

Tot Ion:105 Resp: 304429

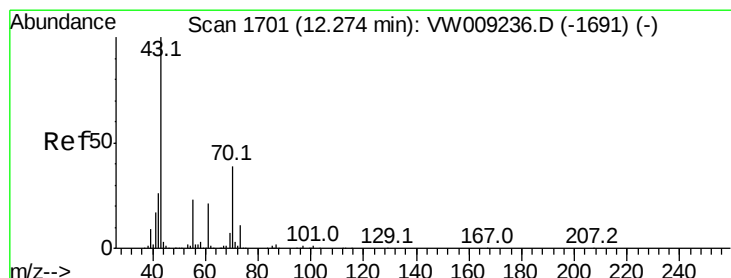
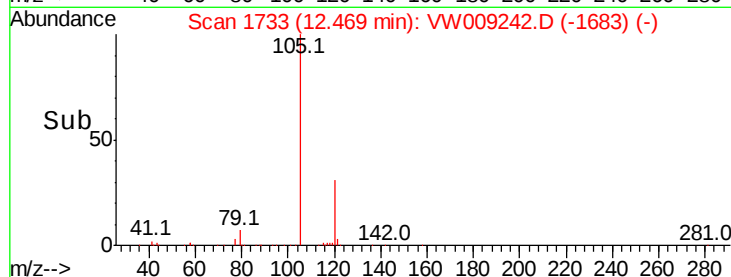
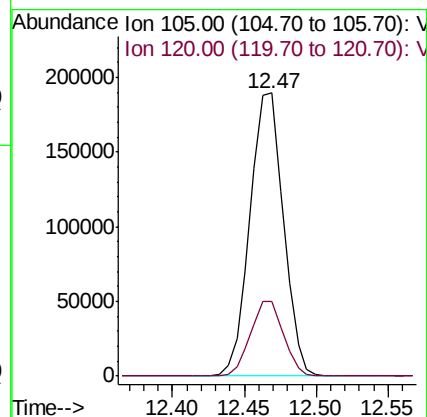
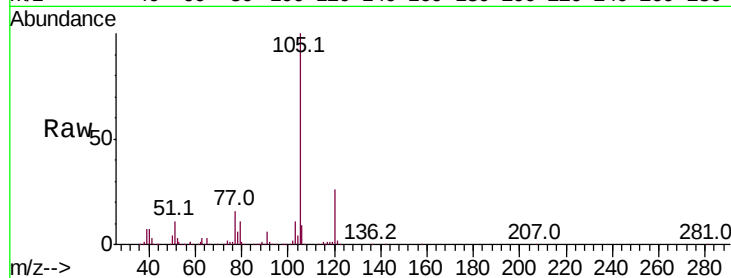
Ion Ratio Lower Upper

105 100

120 26.2 13.0 39.0

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#74

N-ethyl acetate

Concen: 19.434 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009242.D

Acq: 19 Mar 2019 15:39

Tgt Ion: 43 Resp: 78021

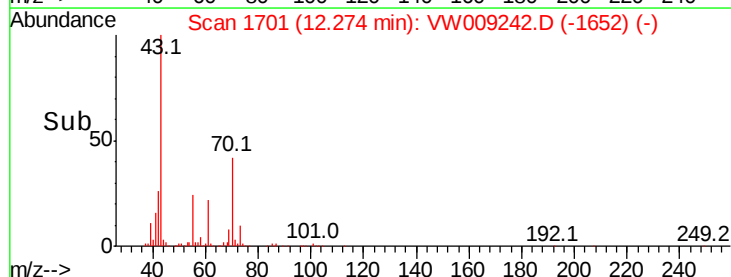
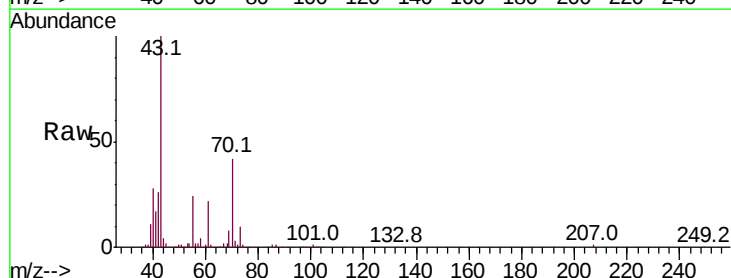
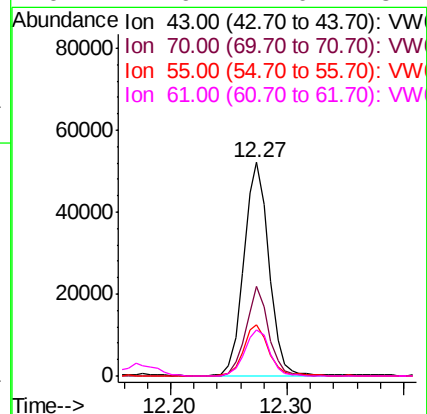
Ion Ratio Lower Upper

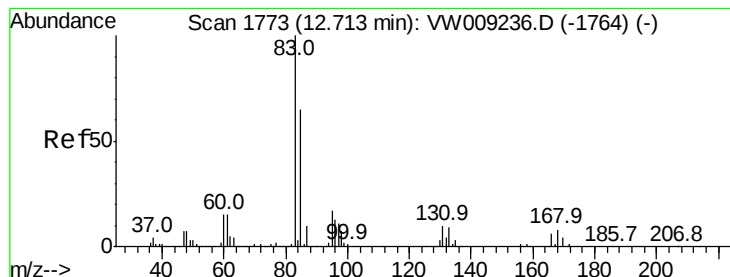
43 100

70 38.5 30.6 46.0

55 24.4 19.3 28.9

61 21.9 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.650 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009242.D

Acq: 19 Mar 2019 15:39

Instrument :

MSVOA_W

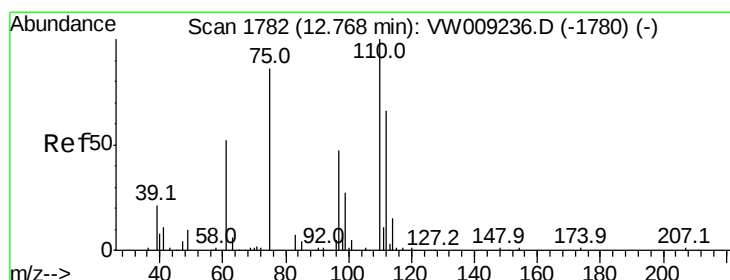
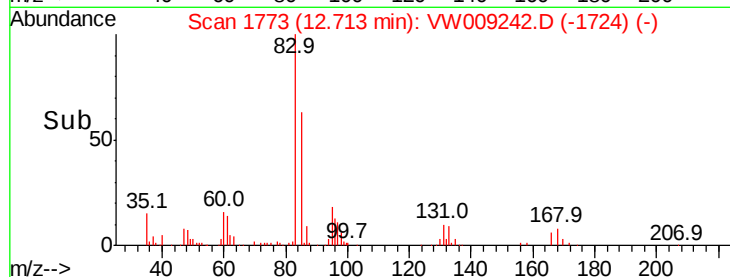
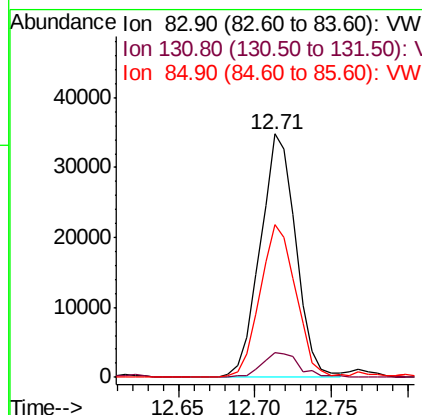
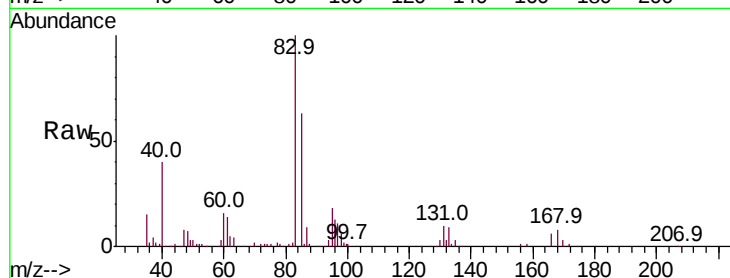
ClientSampleId :

VW0319SBS01

Tot Ion:	83	Resp:	56574
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.3	16.1
85	63.3	32.6	97.8

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#76

1,2,3-Trichloropropane

Concen: 17.923 ug/l m

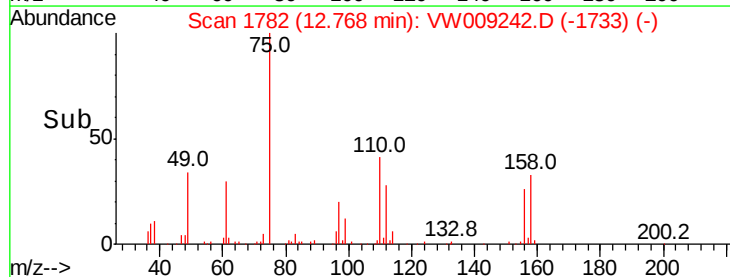
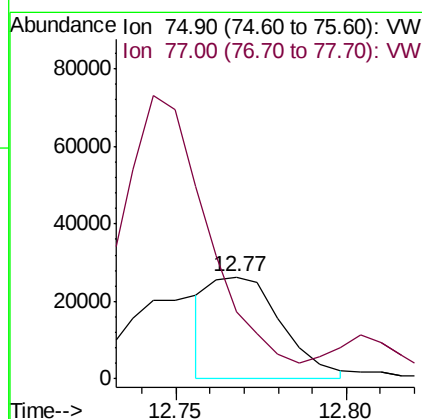
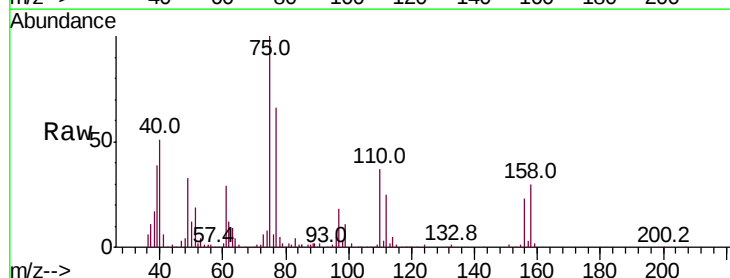
RT: 12.77 min Scan# 1782

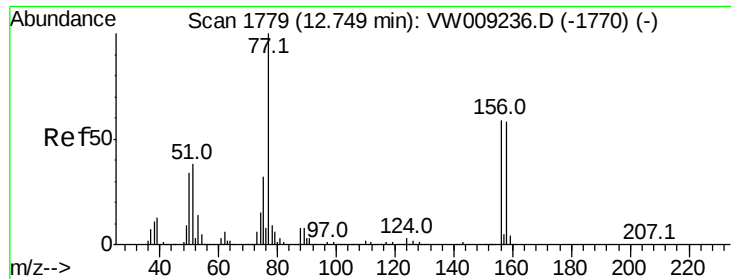
Delta R.T. 0.00 min

Lab File: VW009242.D

Acq: 19 Mar 2019 15:39

Tgt Ion:	75	Resp:	38784
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





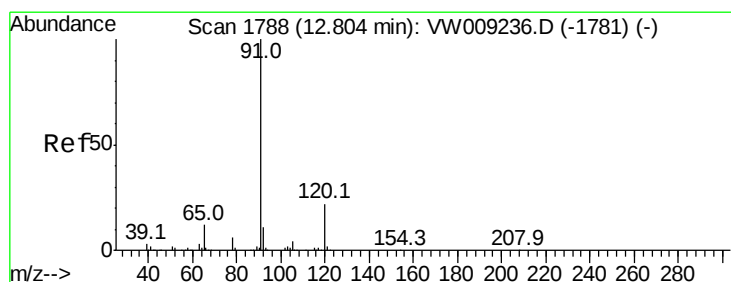
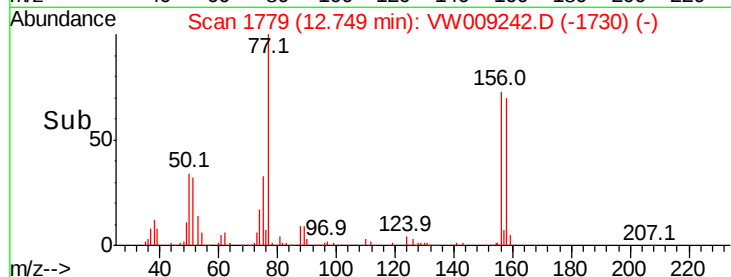
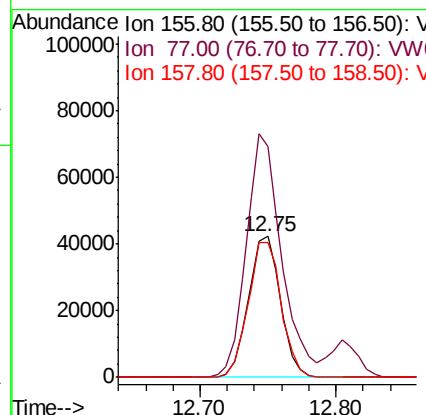
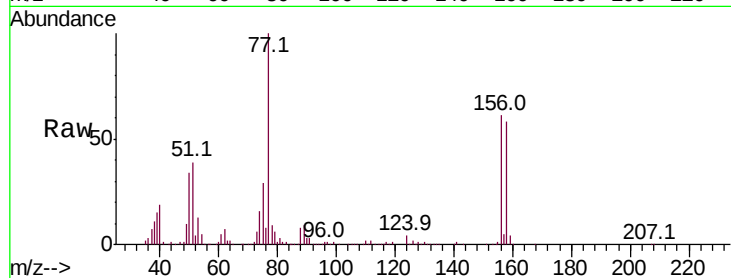
#77
Bromobenzene
Concen: 19.141 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	189.9	96.0	288.0
158	98.9	49.1	147.3

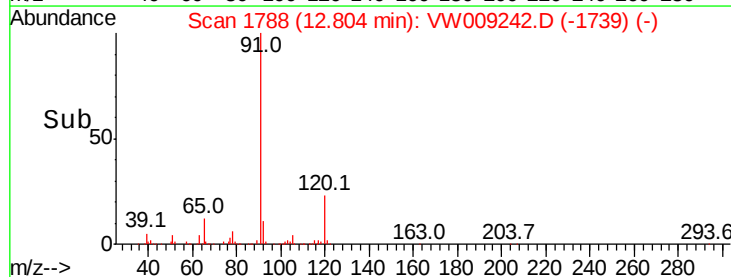
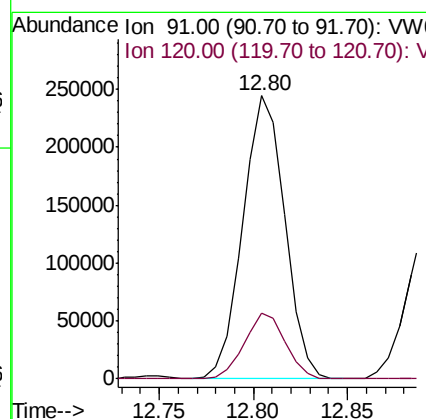
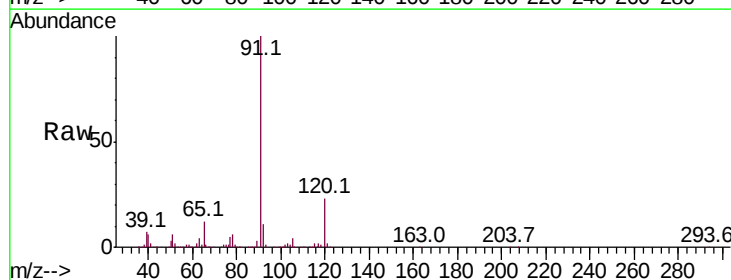
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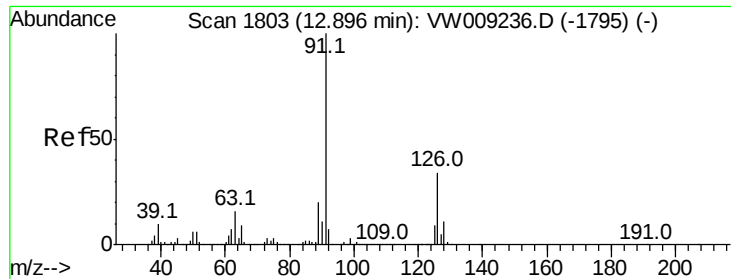
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#78
n-propylbenzene
Concen: 19.904 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.1	33.3





#79

2-Chlorotoluene

Concen: 19.456 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW009242.D

Acq: 19 Mar 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS01

Tot Ion: 91 Resp: 208918

Ion Ratio Lower Upper

91 100

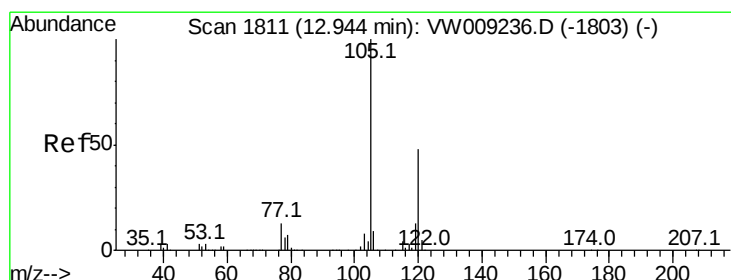
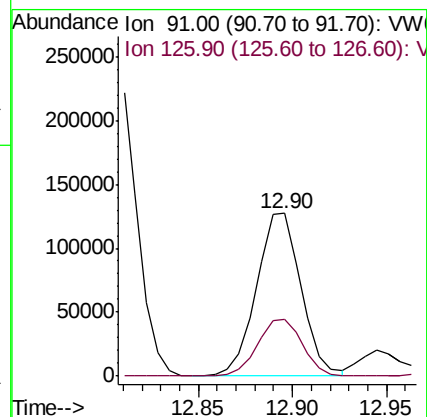
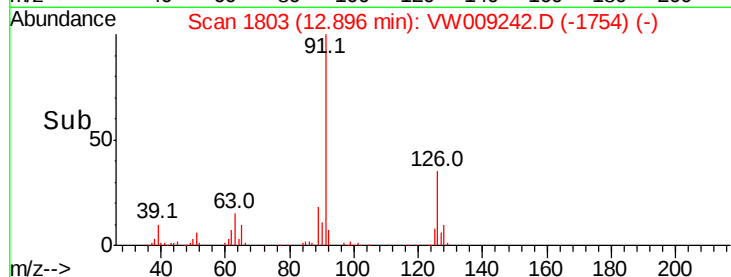
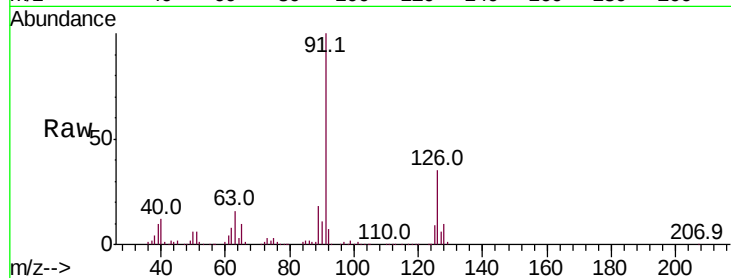
126 35.0 17.0 51.0

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#80

1,3,5-Trimethylbenzene

Concen: 19.796 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009242.D

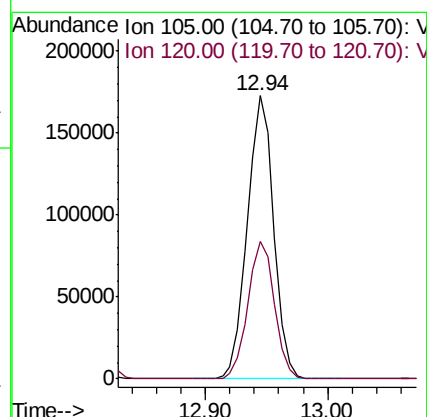
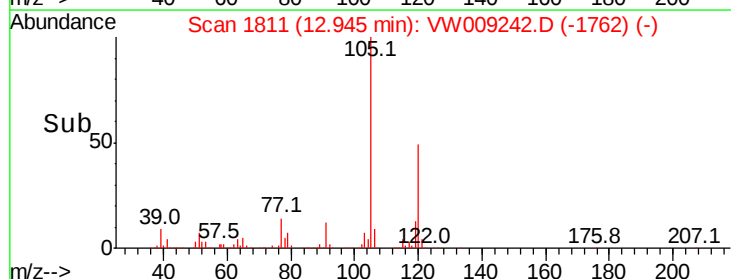
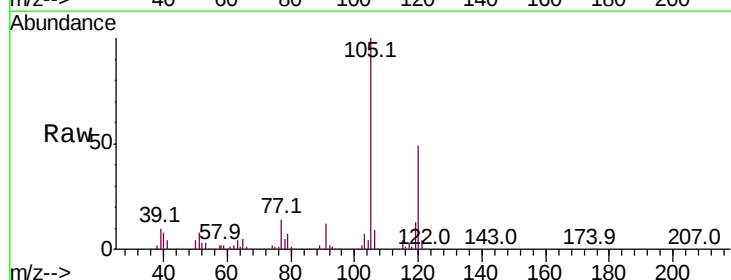
Acq: 19 Mar 2019 15:39

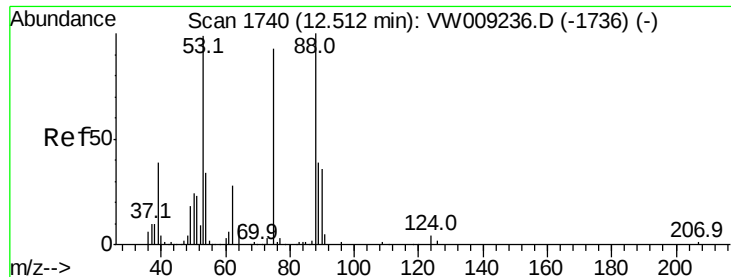
Tgt Ion: 105 Resp: 259107

Ion Ratio Lower Upper

105 100

120 49.1 24.6 74.0





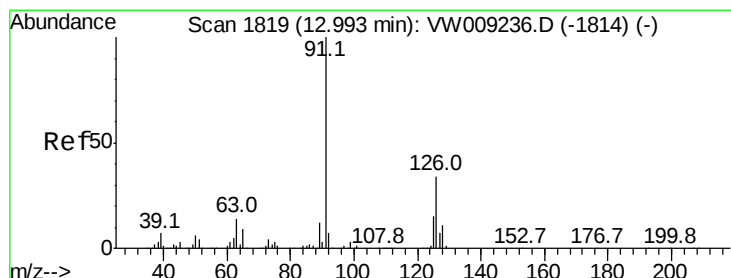
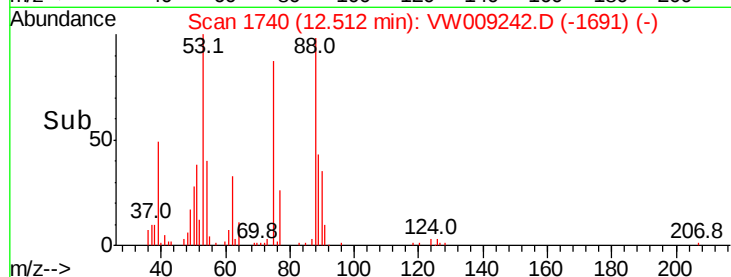
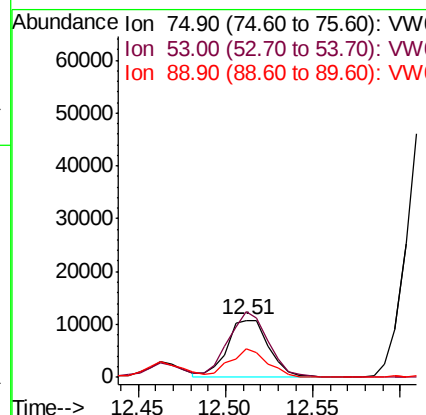
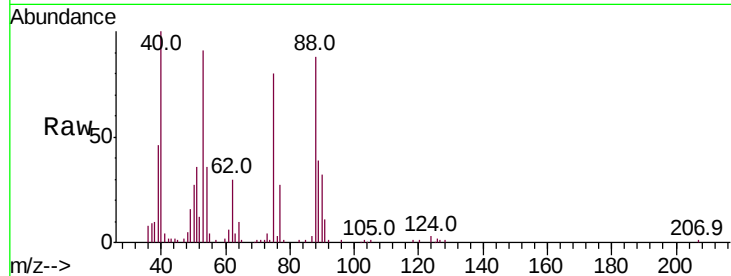
#81
trans-1,4-Dichloro-2-butene
Concen: 20.420 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS01

Tot Ion: 75 Resp: 18008
Ion Ratio Lower Upper
75 100
53 111.5 86.7 130.1
89 44.9 36.4 54.6

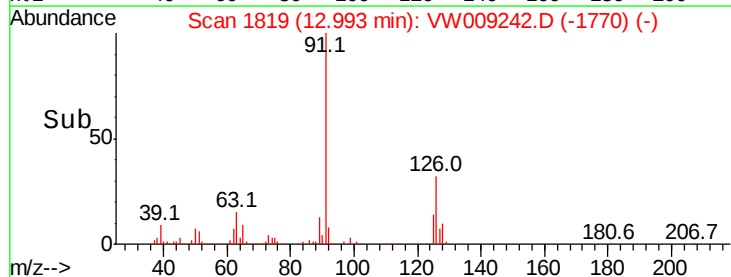
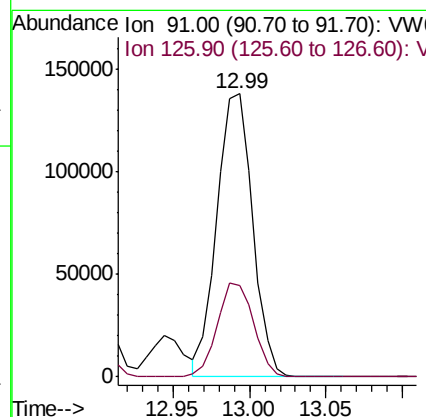
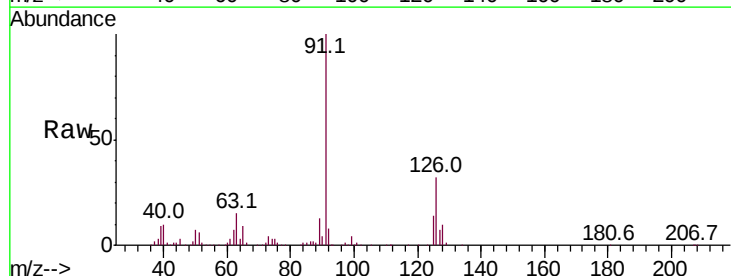
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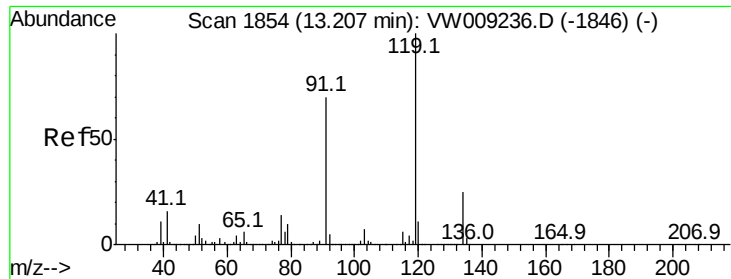
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#82
4-Chlorotoluene
Concen: 19.836 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Tgt Ion: 91 Resp: 224392
Ion Ratio Lower Upper
91 100
126 33.8 16.9 50.6





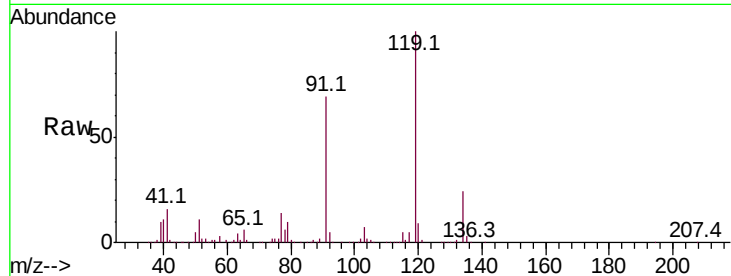
#83
tert-Butylbenzene
Concen: 19.877 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS01

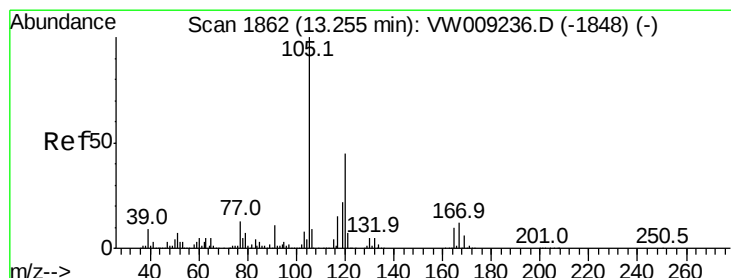
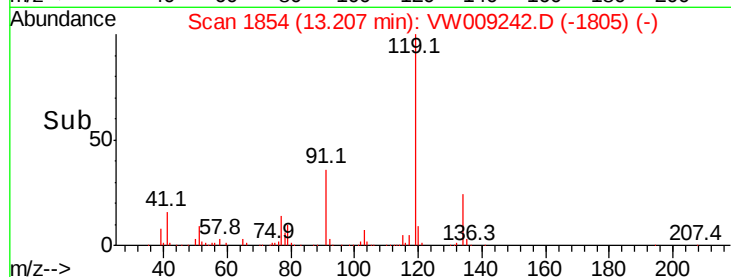
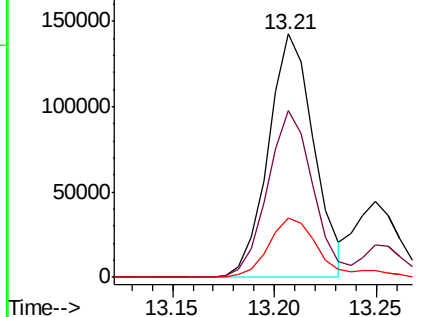
Tot Ion	Ratio	Resp	Lower	Upper
119	100	222329		
91	68.7	34.4	103.2	
134	27.6	12.7	38.1	

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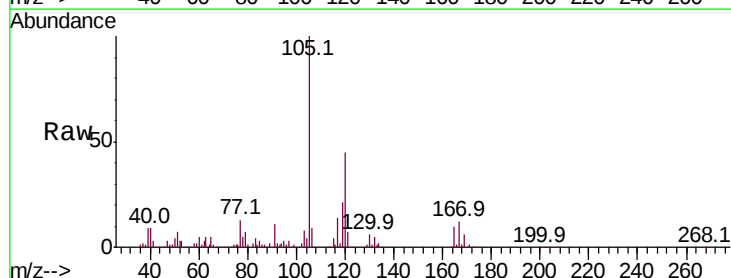


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

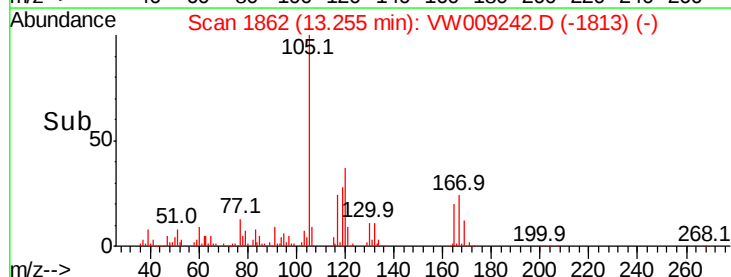
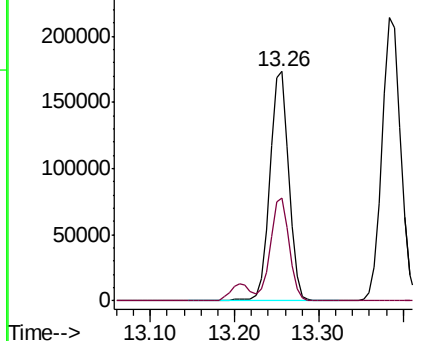


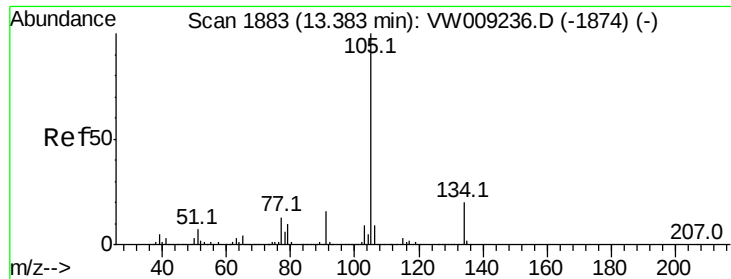
#84
1,2,4-Trimethylbenzene
Concen: 20.151 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	270392		
120	44.2	22.8	68.3	



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





#85

sec-Butylbenzene

Concen: 20.037 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW009242.D

Acq: 19 Mar 2019 15:39

Instrument :

MSVOA_W

ClientSampleId :

VW0319SBS01

Tot Ion:105 Resp: 331187

Ion Ratio Lower Upper

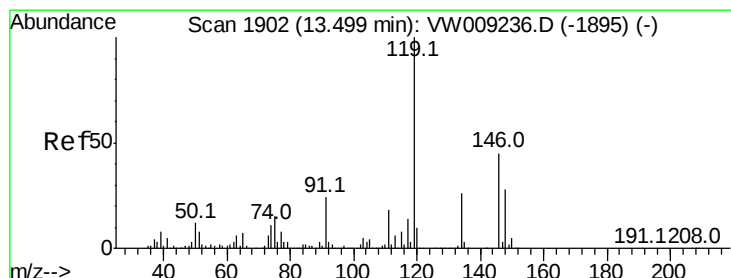
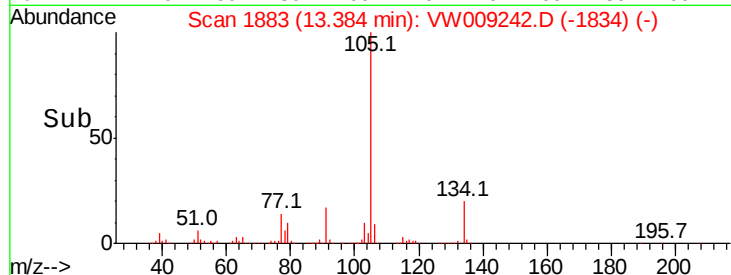
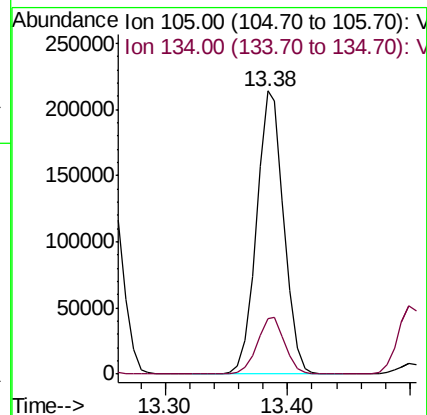
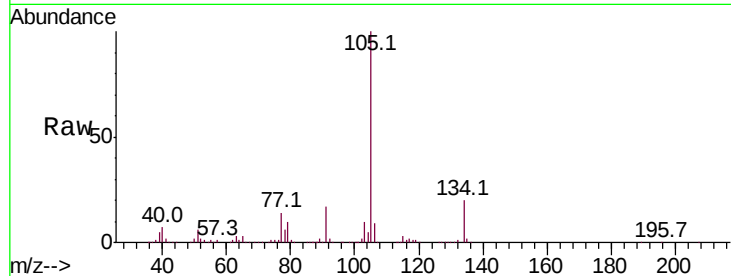
105 100

134 20.3 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 19.948 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009242.D

Acq: 19 Mar 2019 15:39

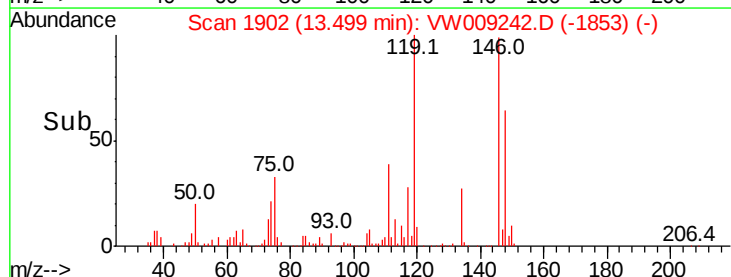
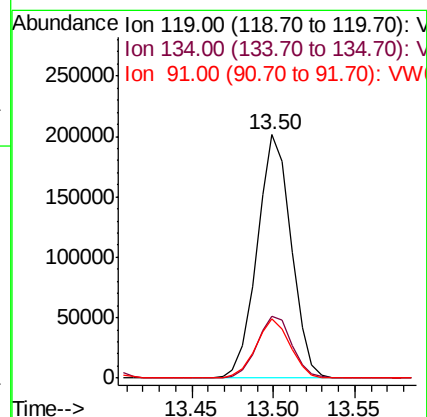
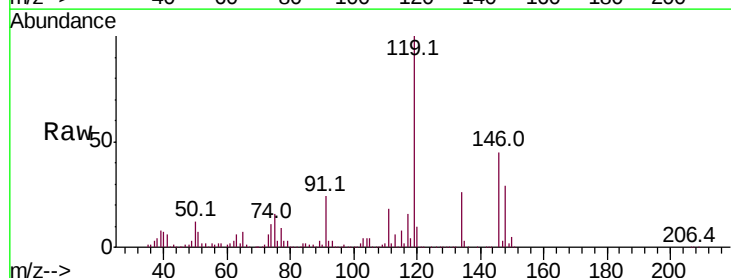
Tgt Ion:119 Resp: 293598

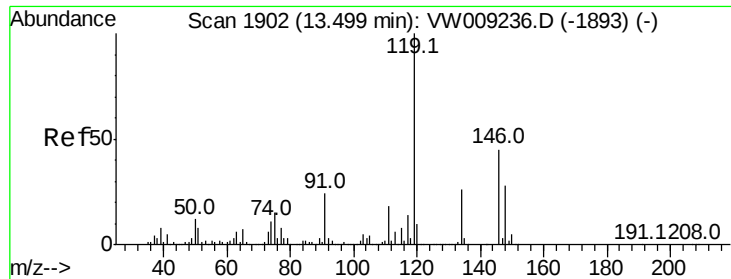
Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

91 24.2 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 19.962 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009242.D

Acq: 19 Mar 2019 15:39

Instrument :

MSVOA_W

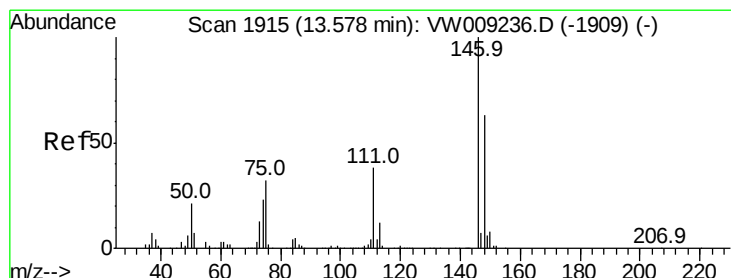
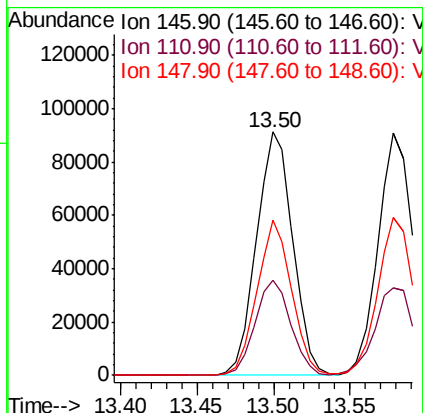
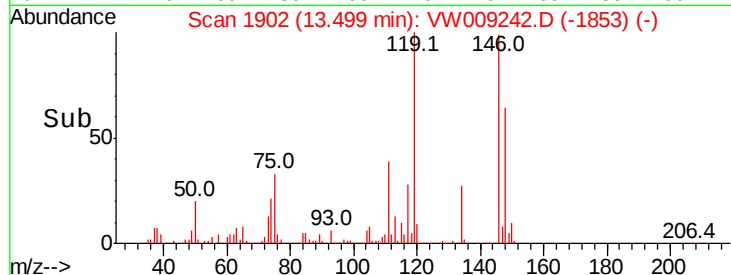
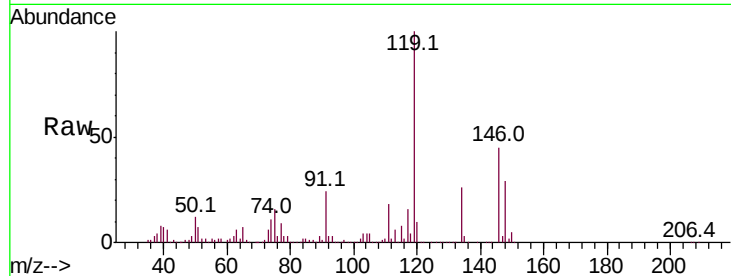
ClientSampleId :

VW0319SBS01

Tot Ion:	146	Resp:	150601
Ion Ratio	Lower	Upper	
146	100		
111	38.6	20.1	60.2
148	61.0	31.4	94.3

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#88

1,4-Dichlorobenzene

Concen: 19.424 ug/l

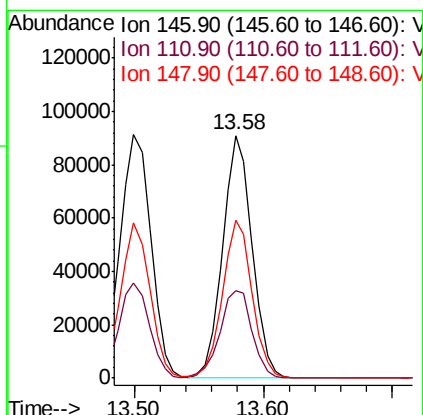
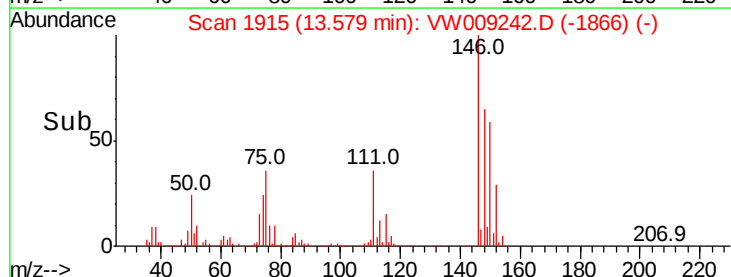
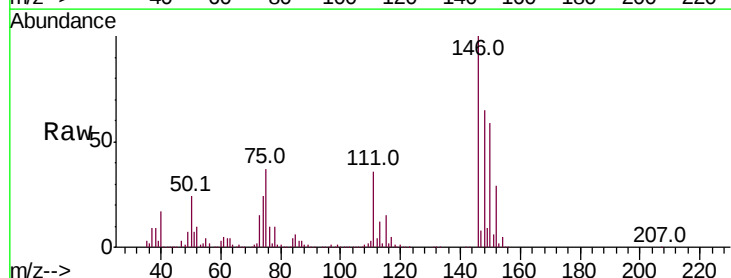
RT: 13.58 min Scan# 1915

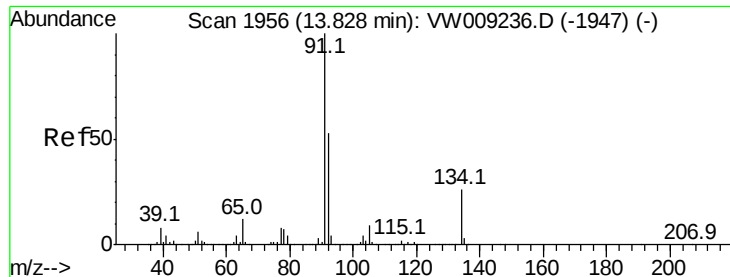
Delta R.T. 0.00 min

Lab File: VW009242.D

Acq: 19 Mar 2019 15:39

Tgt Ion:	146	Resp:	145910
Ion Ratio	Lower	Upper	
146	100		
111	39.6	19.9	59.6
148	65.5	32.2	96.6





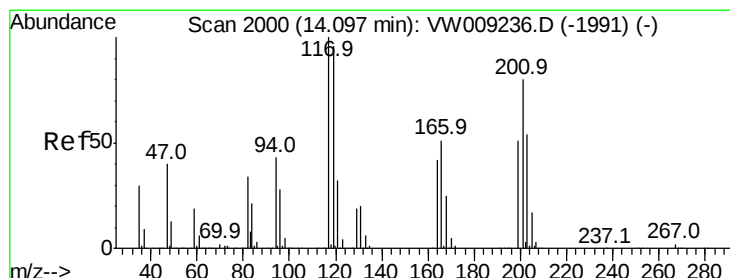
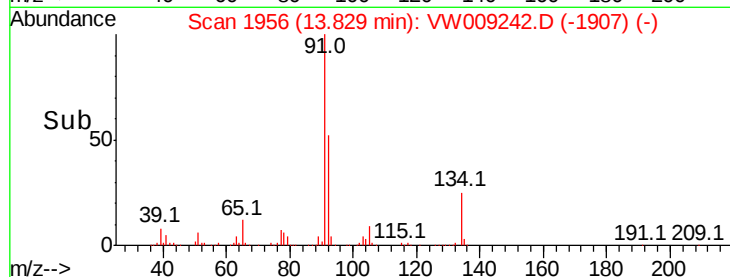
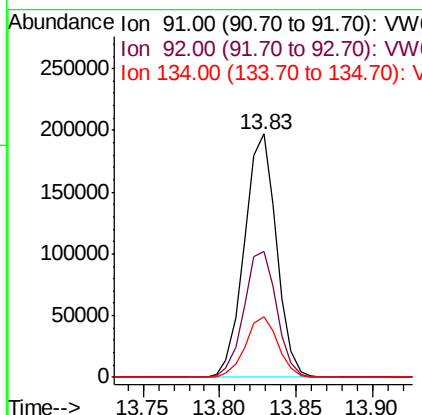
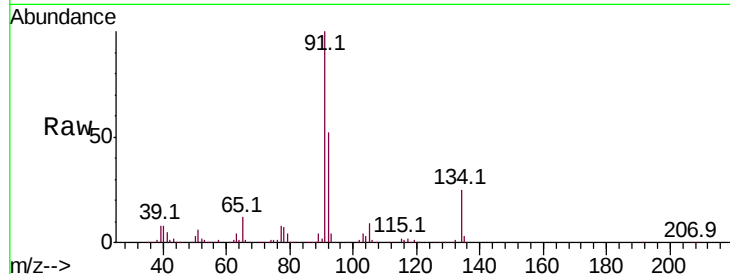
#89
n-Butylbenzene
Concen: 20.296 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.4	79.0
134	25.3	12.9	38.6

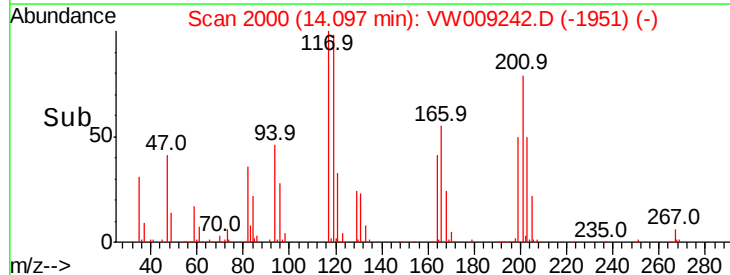
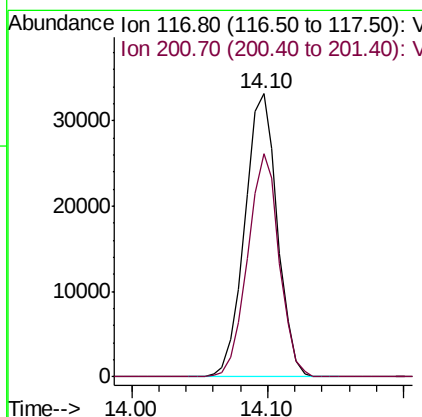
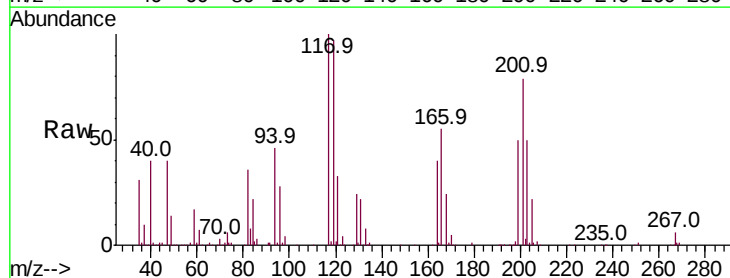
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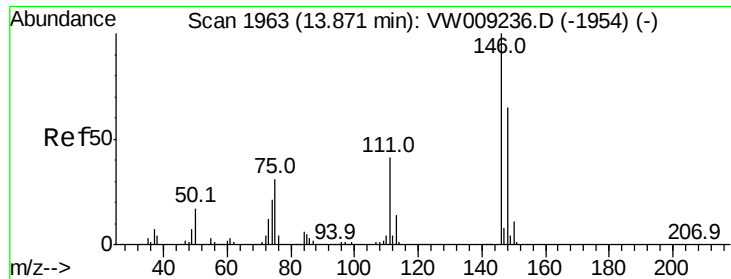
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#90
Hexachloroethane
Concen: 19.175 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.5	38.2	114.6





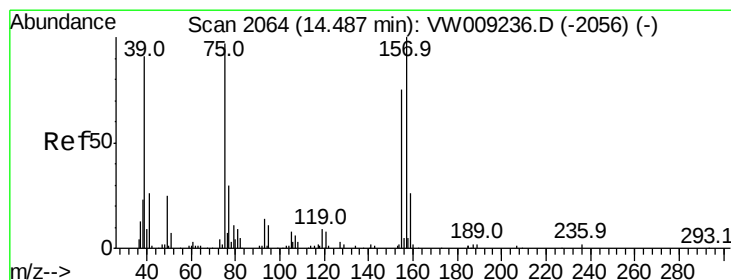
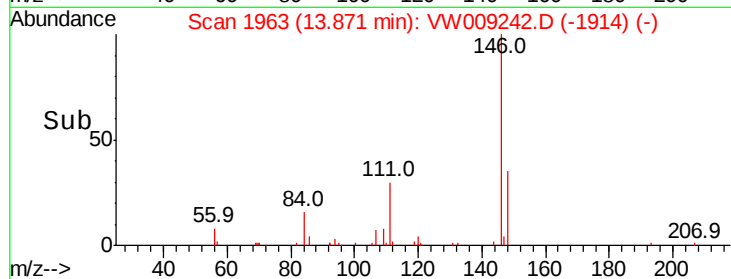
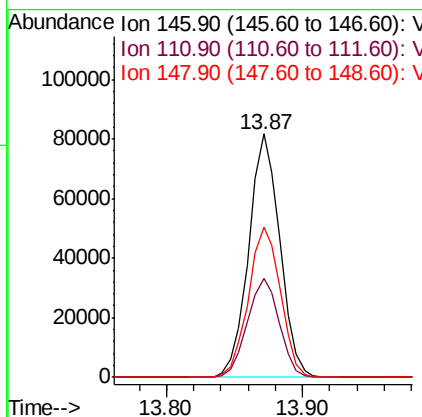
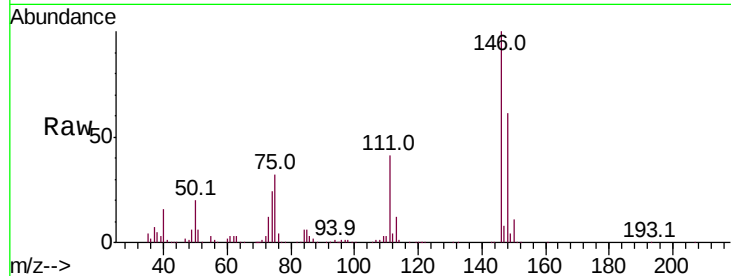
#91
 1,2-Dichlorobenzene
 Concen: 19.388 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009242.D
 Acq: 19 Mar 2019 15:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.4	61.2
148	63.5	31.9	95.9

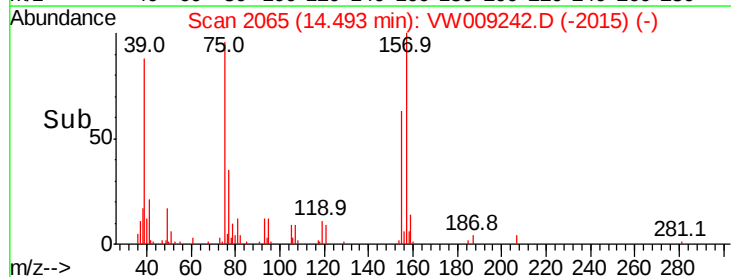
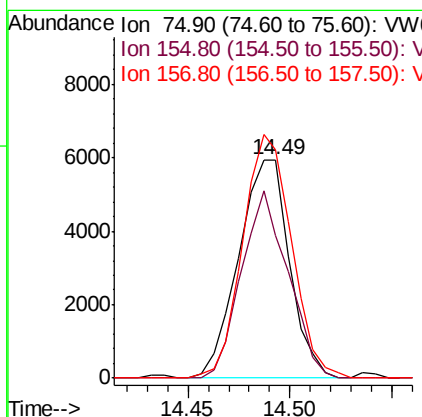
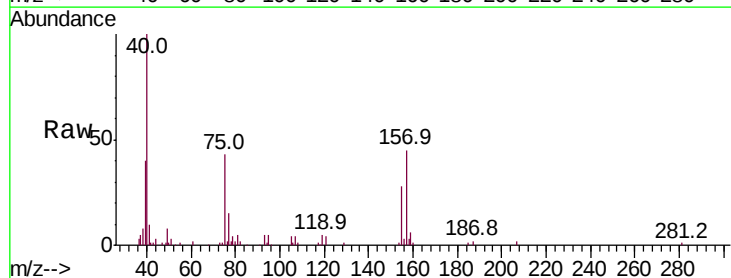
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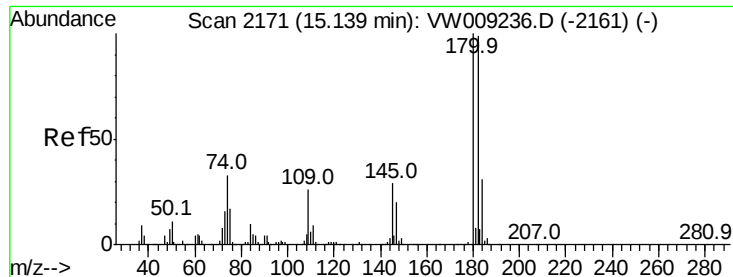
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.019 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW009242.D
 Acq: 19 Mar 2019 15:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.4	39.3	117.8
157	106.7	49.5	148.5





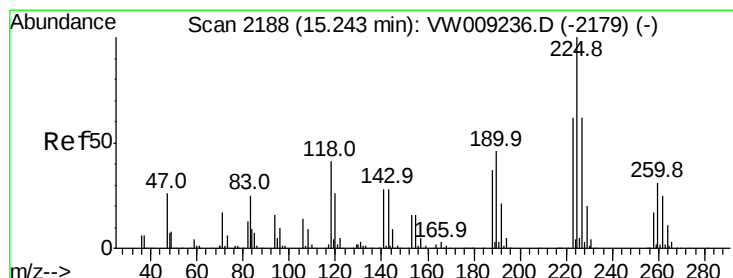
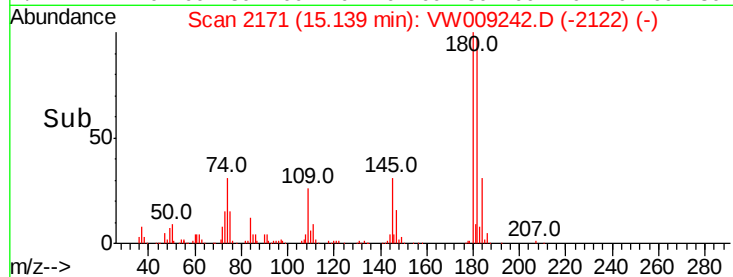
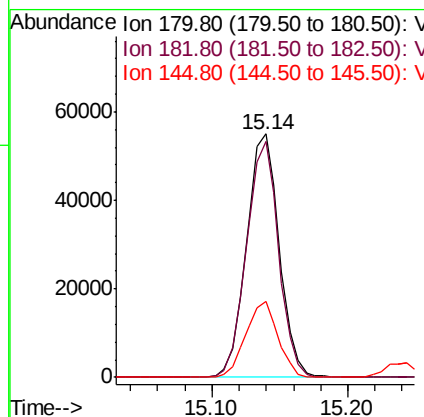
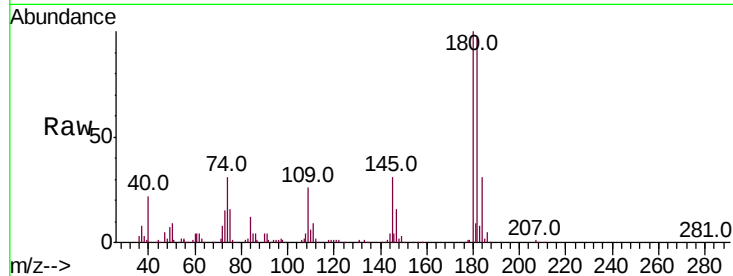
#93
 1,2,4-Trichlorobenzene
 Concen: 20.352 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009242.D
 Acq: 19 Mar 2019 15:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS01

Tot Ion:	180	Resp:	92465
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.9	143.7
145	30.9	15.0	45.0

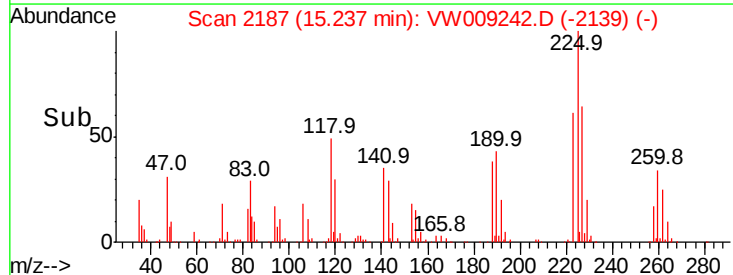
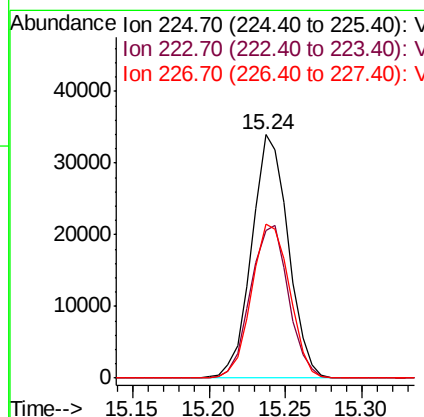
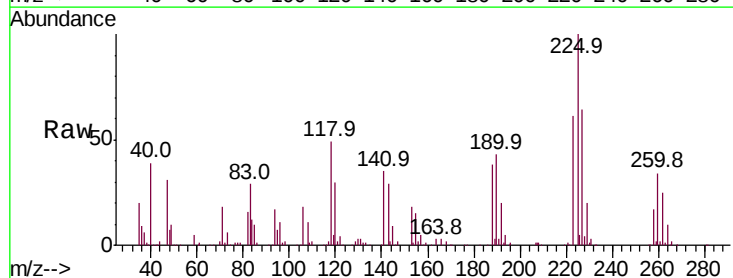
Manual Integrations
 APPROVED

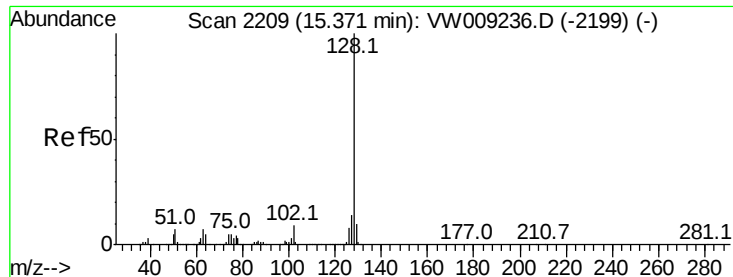
MMDadoda
 3/22/2019 3:53:09 AM



#94
 Hexachlorobutadiene
 Concen: 19.619 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW009242.D
 Acq: 19 Mar 2019 15:39

Tgt Ion:	225	Resp:	56690
Ion Ratio	Lower	Upper	
225	100		
223	65.2	31.4	94.3
227	65.8	32.1	96.5





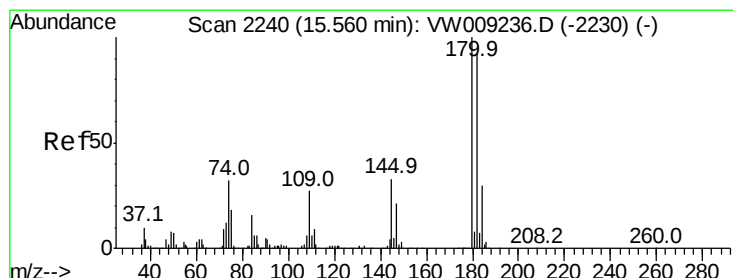
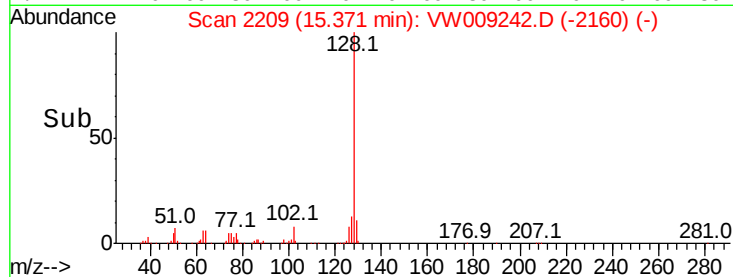
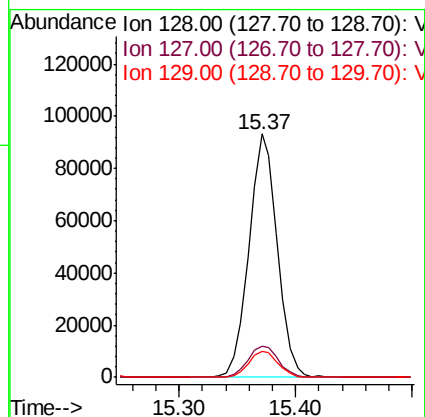
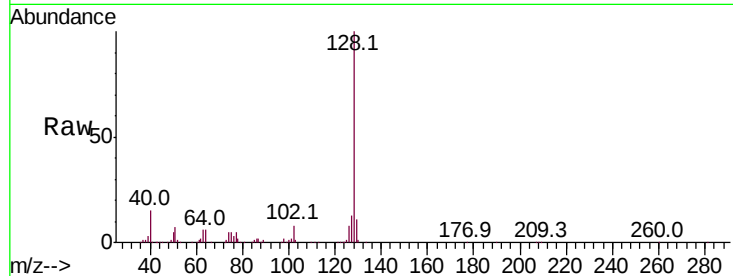
#95
Naphthalene
Concen: 20.007 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Instrument :
MSVOA_W
ClientSampleId :
VW0319SBS01

Tot Ion:	128	Resp:	157491
Ion Ratio	Lower	Upper	
128	100		
127	14.1	10.8	16.2
129	11.2	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/22/2019 3:53:09 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.242 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009242.D
Acq: 19 Mar 2019 15:39

Tgt Ion:	180	Resp:	82092
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.3	141.9
145	30.8	16.0	48.0

