

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030719\
 Data File : VW009041.D
 Acq On : 07 Mar 2019 15:57
 Operator : SY/VA
 Sample : VW0307SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0307SBS01

Manual Integrations
 APPROVED

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 3/8/2019 12:06:30 PM

Quant Time: Mar 08 06:04:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	300208	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	425339	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	410731	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	217130	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	152555	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
35) Dibromofluoromethane	7.88	113	138699	54.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.32%	
50) Toluene-d8	10.32	98	570544	54.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.48%	
62) 4-Bromofluorobenzene	12.62	95	212776	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.00	85	69208	22.875	ug/l	96
3) Chloromethane	2.21	50	83428	21.706	ug/l	96
4) Vinyl Chloride	2.36	62	79938	20.494	ug/l	96
5) Bromomethane	2.76	94	80413	24.423	ug/l	98
6) Chloroethane	2.91	64	57912	20.856	ug/l	94
7) Trichlorofluoromethane	3.26	101	107674	21.440	ug/l	96
8) Diethyl Ether	3.68	74	30352	19.766	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	65116	20.818	ug/l	99
10) Methyl Iodide	4.26	142	56422	18.757	ug/l	99
11) Tert butyl alcohol	5.18	59	21191m	91.556	ug/l	
12) 1,1-Dichloroethene	4.04	96	56339	20.881	ug/l	95
13) Acrolein	3.90	56	22081	86.697	ug/l	93
14) Allyl chloride	4.67	41	94891	19.938	ug/l	98
15) Acrylonitrile	5.37	53	60121	89.705	ug/l	97
16) Acetone	4.14	43	61964	90.913	ug/l	91
17) Carbon Disulfide	4.38	76	185227	20.404	ug/l	98
18) Methyl Acetate	4.67	43	26400	16.844	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	136117	19.071	ug/l	99
20) Methylene Chloride	4.90	84	69181	18.117	ug/l	87
21) trans-1,2-Dichloroethene	5.42	96	64507	20.706	ug/l	91
22) Diisopropyl ether	6.31	45	188971	19.980	ug/l	98
23) Vinyl Acetate	6.25	43	556679	94.584	ug/l	99
24) 1,1-Dichloroethane	6.21	63	110846	20.206	ug/l	100
25) 2-Butanone	7.18	43	83025	88.141	ug/l	99
26) 2,2-Dichloropropane	7.16	77	106170	21.292	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	66934	20.005	ug/l	98
28) Bromochloromethane	7.51	49	42948	18.822	ug/l	100
29) Tetrahydrofuran	7.53	42	49591	83.544	ug/l	98
30) Chloroform	7.67	83	115262	20.408	ug/l	93
31) Cyclohexane	7.95	56	115924	20.580	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	108064	20.733	ug/l	98
36) 1,1-Dichloropropene	8.08	75	94380	21.221	ug/l	99
37) Ethyl Acetate	7.25	43	36545	17.494	ug/l	97
38) Carbon Tetrachloride	8.07	117	98136	21.366	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	111060	20.966	ug/l	99
40) Benzene	8.32	78	246091	20.728	ug/l	97
41) Methacrylonitrile	7.48	41	20784	17.917	ug/l #	91
42) 1,2-Dichloroethane	8.40	62	75769	19.769	ug/l	100
43) Isopropyl Acetate	8.42	43	69151	17.773	ug/l	98
44) Trichloroethene	9.09	130	69955	21.023	ug/l	97
45) 1,2-Dichloropropane	9.37	63	59582	20.038	ug/l	100
46) Dibromomethane	9.45	93	31020	19.102	ug/l	98
47) Bromodichloromethane	9.64	83	81235	19.762	ug/l	98
48) Methyl methacrylate	9.44	41	33814	18.665	ug/l	96
49) 1,4-Dioxane	9.46	88	8249	354.732	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	171598	86.877	ug/l	100
52) Toluene	10.38	92	166682	20.702	ug/l	96
53) t-1,3-Dichloropropene	10.60	75	78731	19.365	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	94350	20.194	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	42511	19.314	ug/l	96
56) Ethyl methacrylate	10.65	69	50152	18.359	ug/l	97
57) 1,3-Dichloropropane	10.93	76	75062	19.251	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	120828	85.323	ug/l	100
59) 2-Hexanone	10.97	43	123395	88.855	ug/l	98
60) Dibromochloromethane	11.13	129	51340	18.848	ug/l	96
61) 1,2-Dibromoethane	11.23	107	41111	19.053	ug/l	99
64) Tetrachloroethene	10.86	164	60025	20.265	ug/l	97
65) Chlorobenzene	11.66	112	180148	20.151	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	58392	19.561	ug/l	96
67) Ethyl Benzene	11.73	91	330368	20.455	ug/l	100
68) m/p-Xylenes	11.84	106	262793	41.223	ug/l	99
69) o-Xylene	12.16	106	120870	20.378	ug/l	97
70) Styrene	12.18	104	190464	19.846	ug/l	98
71) Bromoform	12.35	173	29230	18.237	ug/l #	99
73) Isopropylbenzene	12.46	105	331726	21.334	ug/l	98
74) N-amyl acetate	12.27	43	68073	18.493	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	48049	19.590	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	33543m	19.553	ug/l	
77) Bromobenzene	12.75	156	76178	21.442	ug/l	93
78) n-propylbenzene	12.80	91	413235	21.576	ug/l	100
79) 2-Chlorotoluene	12.89	91	227764	21.166	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	285449	21.297	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	13916	18.144	ug/l	98
82) 4-Chlorotoluene	12.99	91	240406	20.959	ug/l	99
83) tert-Butylbenzene	13.21	119	244429	21.623	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	288958	21.312	ug/l	100
85) sec-Butylbenzene	13.38	105	360437	21.521	ug/l	99
86) p-Isopropyltoluene	13.50	119	318140	21.234	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	156981	21.025	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	154752	20.973	ug/l	99
89) n-Butylbenzene	13.83	91	307067	21.559	ug/l	99
90) Hexachloroethane	14.10	117	55880	21.625	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	134955	20.487	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7489	17.143	ug/l	89

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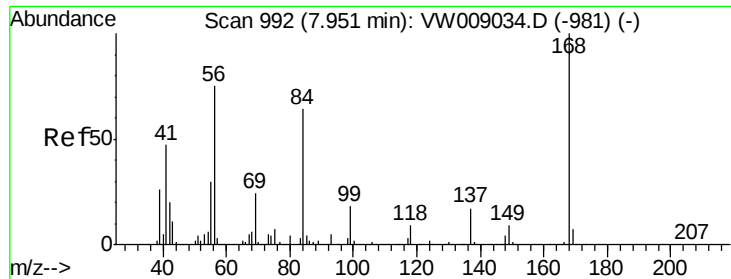
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Quant Title : SW846 8260
QLast Update : Fri Mar 08 05:22:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	90493	20.341	ug/l	98
94) Hexachlorobutadiene	15.24	225	61624	22.115	ug/l	99
95) Naphthalene	15.37	128	132203	18.154	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	77989	19.936	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Instrument :

MSVOA_W

ClientSampleId :

VW0307SBS01

Tot Ion:168 Resp: 300208

Ion Ratio Lower Upper

168 100

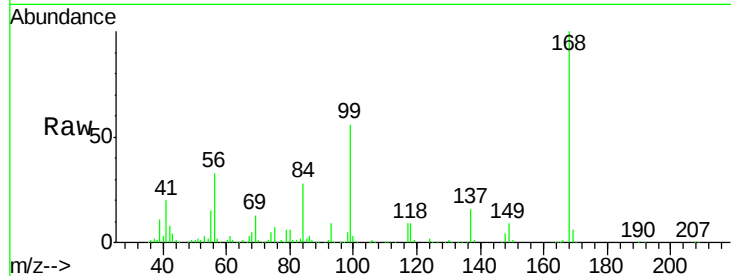
99 55.8 42.2 63.2

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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

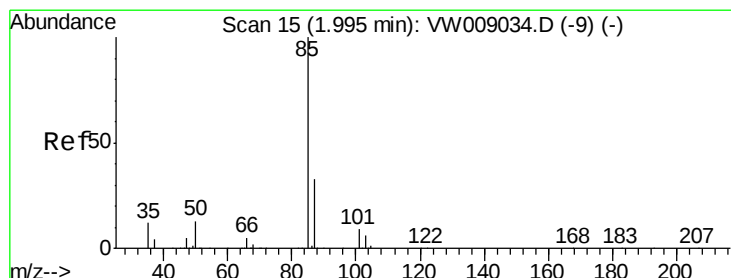
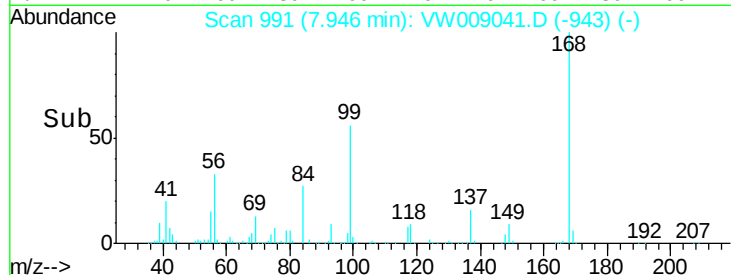
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.875 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW009041.D

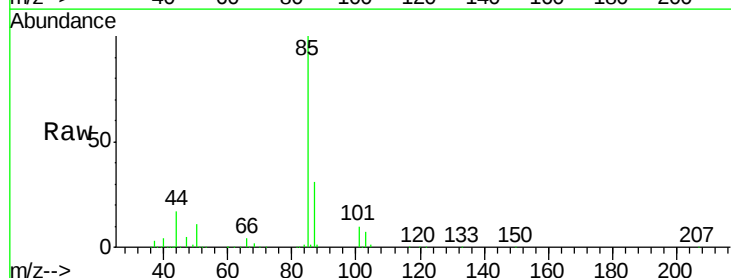
Acq: 07 Mar 2019 15:57

Tgt Ion: 85 Resp: 69208

Ion Ratio Lower Upper

85 100

87 30.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

50000

40000

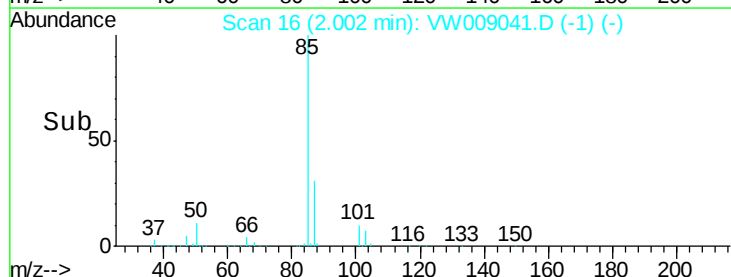
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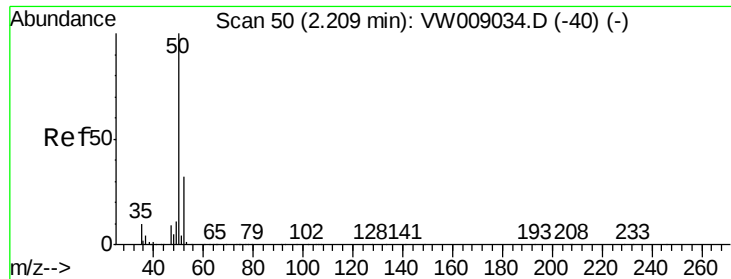
20000

10000

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Time-->





#3

Chloromethane

Concen: 21.706 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Instrument :

MSVOA_W

ClientSampleId :

VW0307SBS01

Tot Ion: 50 Resp: 83428

Ion Ratio Lower Upper

50 100

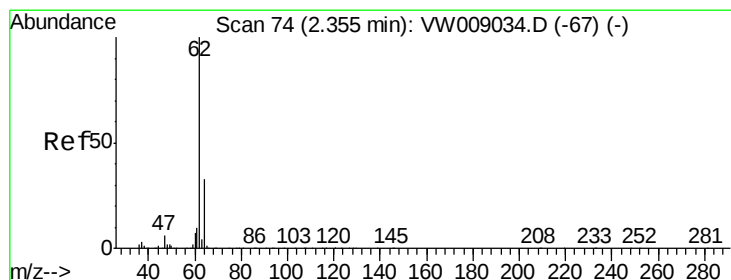
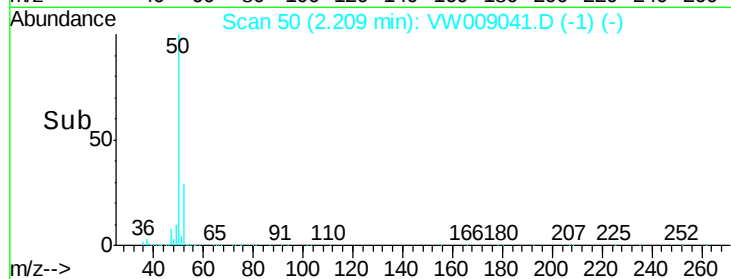
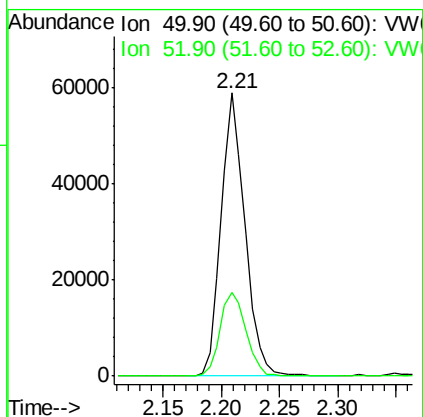
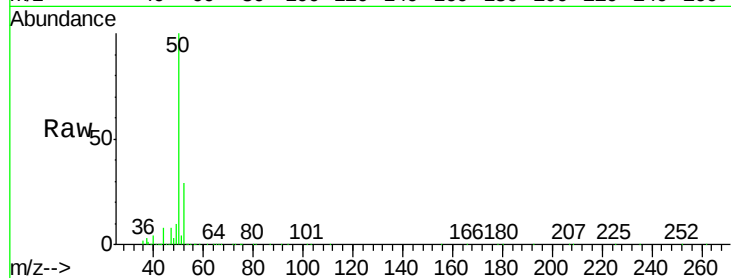
52 29.5 25.4 38.2

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#4

Vinyl Chloride

Concen: 20.494 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009041.D

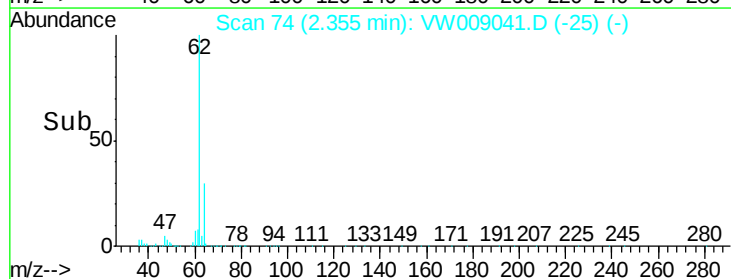
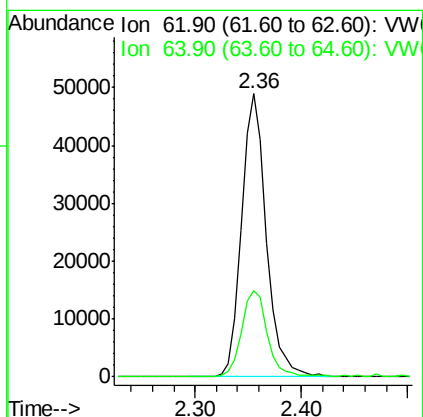
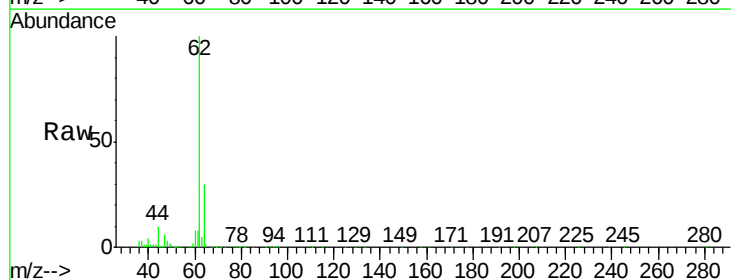
Acq: 07 Mar 2019 15:57

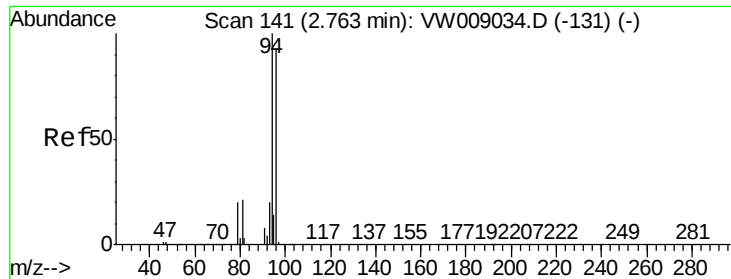
Tgt Ion: 62 Resp: 79938

Ion Ratio Lower Upper

62 100

64 30.2 26.0 39.0





#5

Bromomethane

Concen: 24.423 ug/l

RT: 2.76 min Scan# 141

Delta R.T. 0.00 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Instrument :

MSVOA_W

ClientSampleId :

VW0307SBS01

Tot Ion: 94 Resp: 80413

Ion Ratio Lower Upper

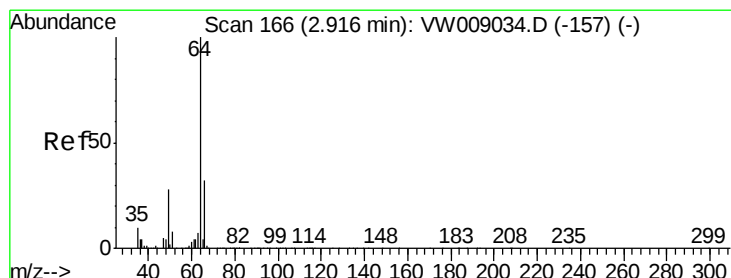
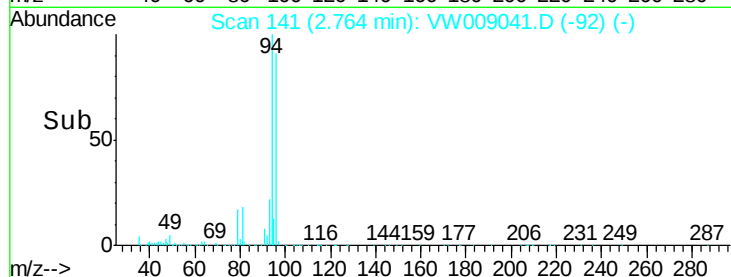
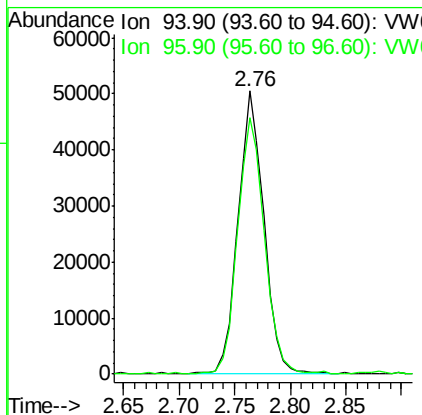
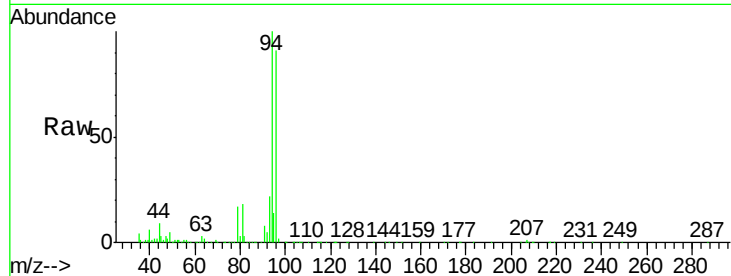
94 100

96 90.7 74.4 111.6

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#6

Chloroethane

Concen: 20.856 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW009041.D

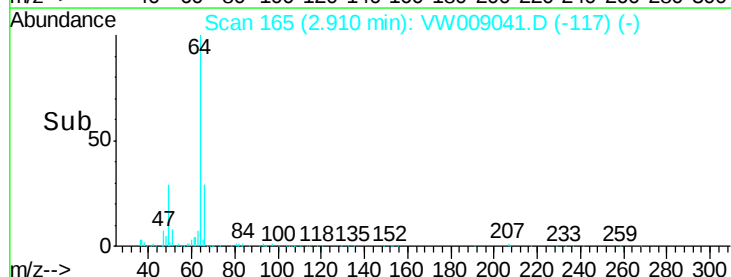
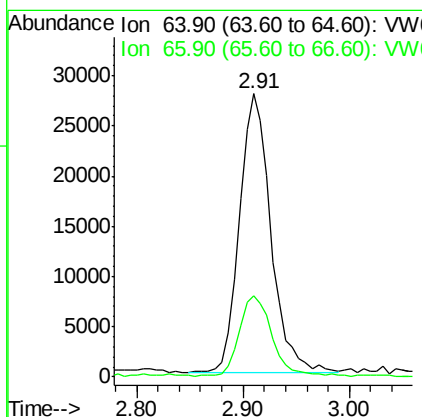
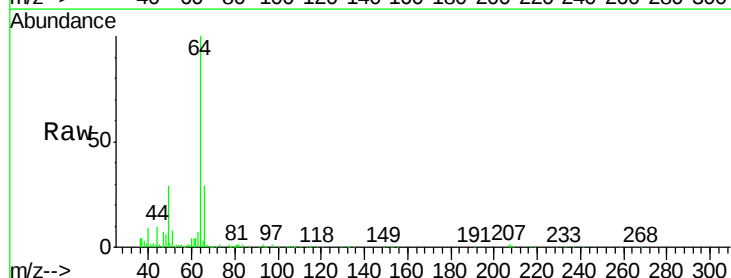
Acq: 07 Mar 2019 15:57

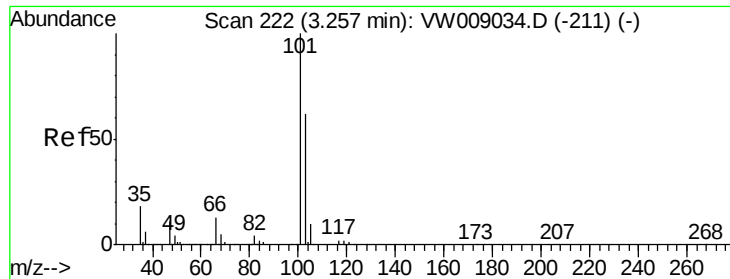
Tgt Ion: 64 Resp: 57912

Ion Ratio Lower Upper

64 100

66 28.6 25.5 38.3





#7

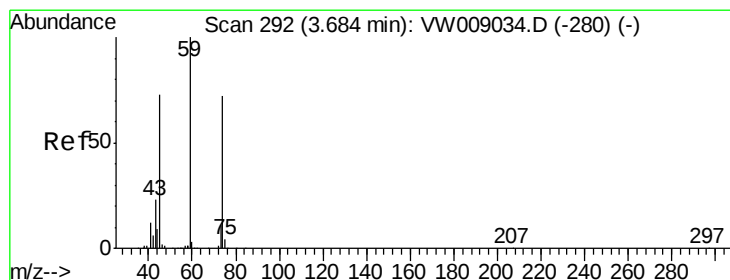
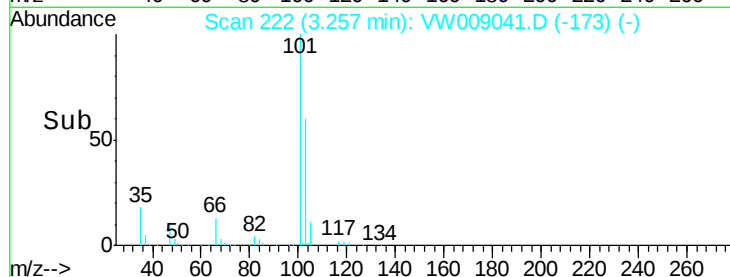
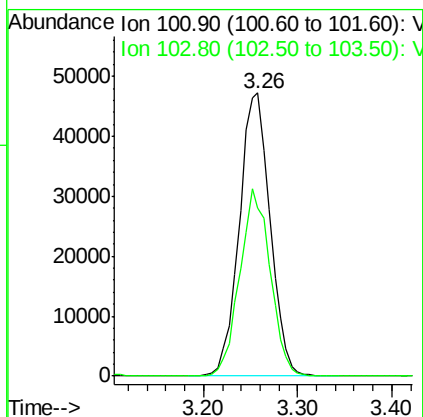
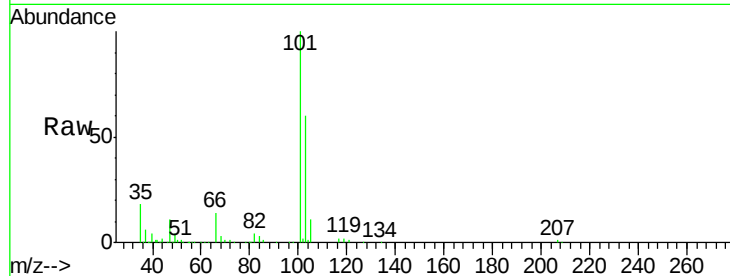
Trichlorofluoromethane
 Concen: 21.440 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW009041.D
 Acq: 07 Mar 2019 15:57

Instrument :
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 ClientSampleId :
 VW0307SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.6	49.9	74.9

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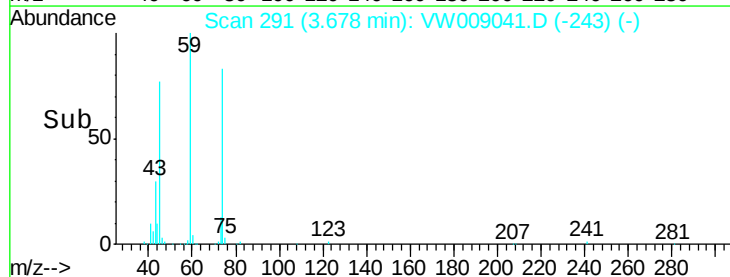
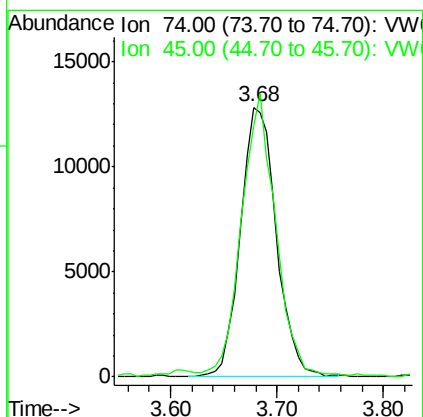
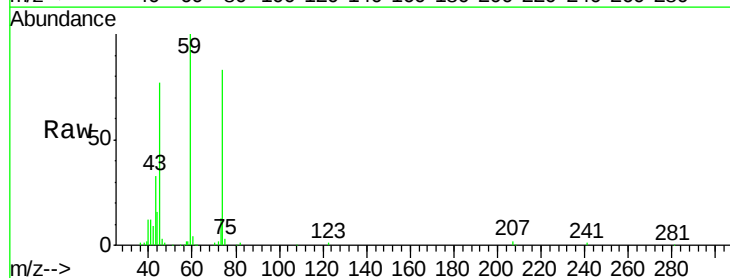
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 3/8/2019 12:06:30 PM

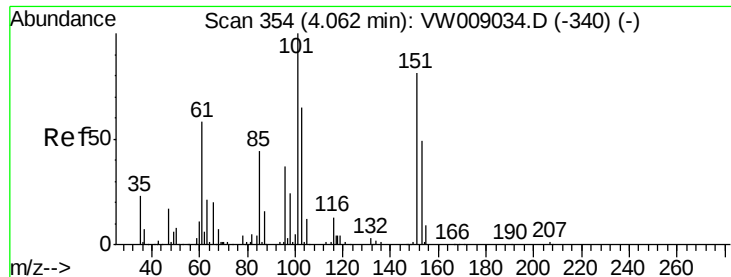


#8

Diethyl Ether
 Concen: 19.766 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW009041.D
 Acq: 07 Mar 2019 15:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.6	52.3	157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.818 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Instrument :

MSVOA_W

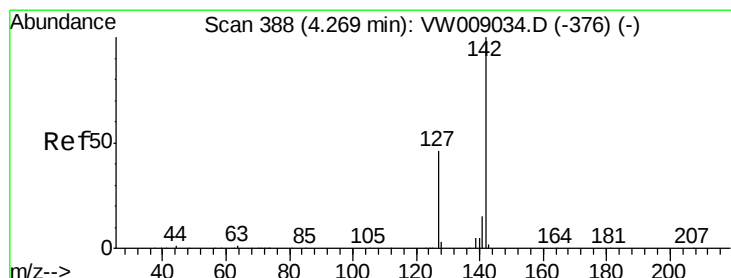
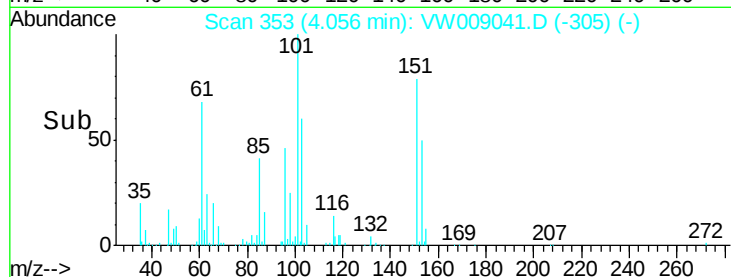
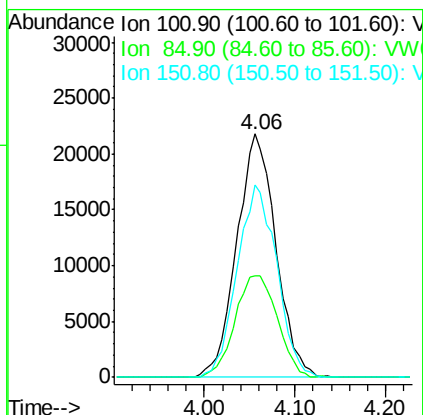
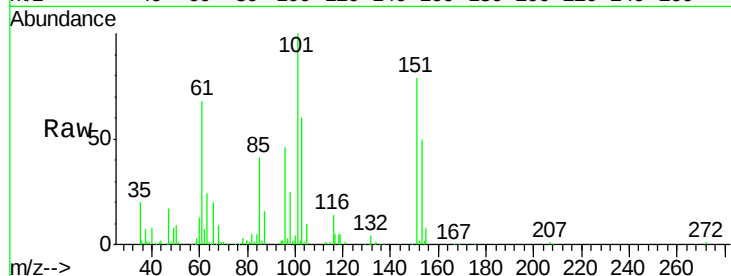
ClientSampleId :

VW0307SBS01

Tot Ion:	101	Resp:	65116
Ion Ratio	Lower	Upper	
101	100		
85	45.4	36.2	54.4
151	80.2	63.4	95.2

Manual Integrations
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#10

Methyl Iodide

Concen: 18.757 ug/l

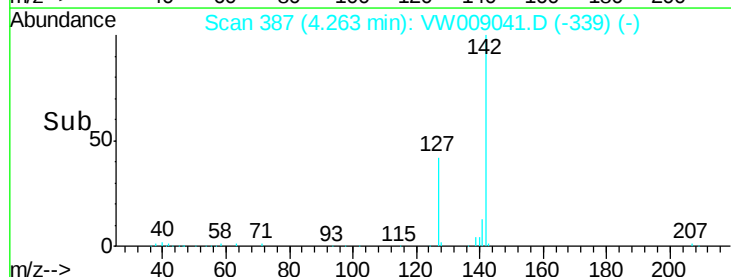
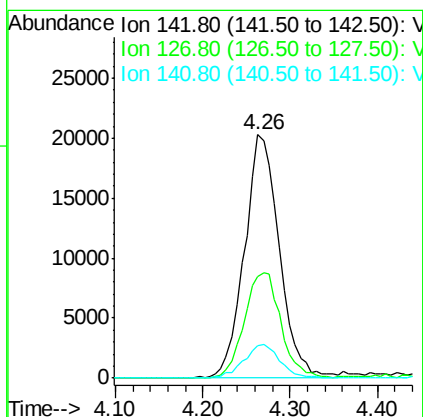
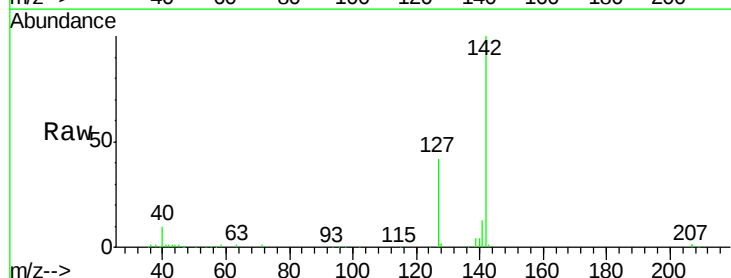
RT: 4.26 min Scan# 387

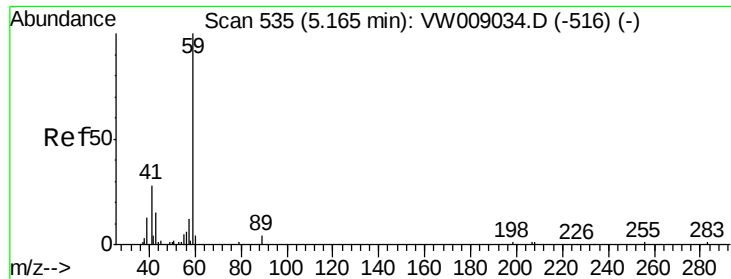
Delta R.T. -0.01 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Tgt Ion:	142	Resp:	56422
Ion Ratio	Lower	Upper	
142	100		
127	45.3	35.8	53.6
141	14.1	11.8	17.8





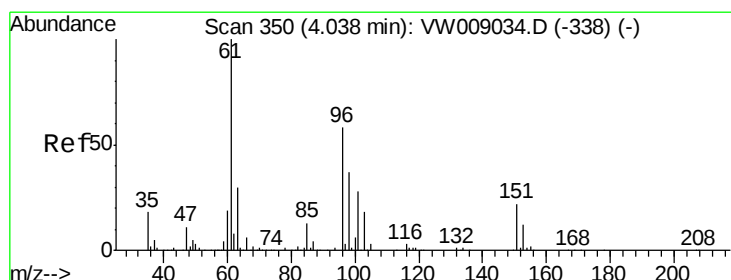
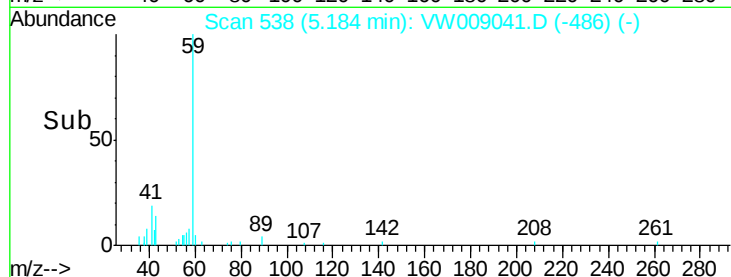
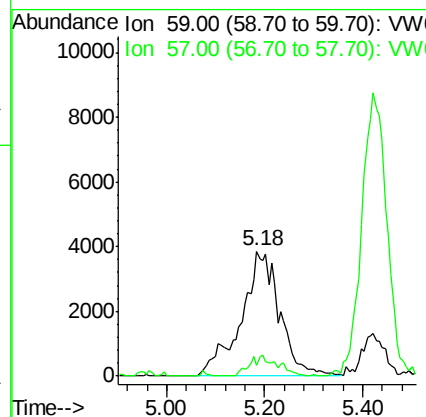
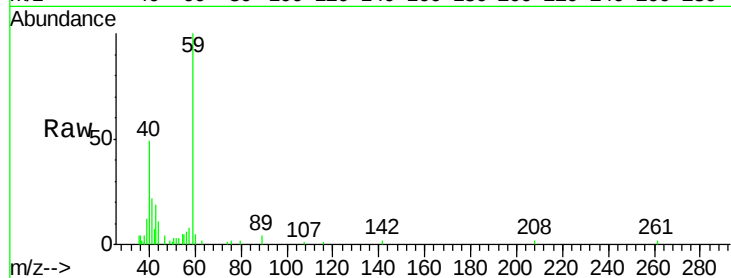
#11
Tert butyl alcohol
Concen: 91.556 ug/l m
RT: 5.18 min Scan# 538
Delta R.T. 0.02 min
Lab File: VW009041.D
Acq: 07 Mar 2019 15:57

Instrument :
MSVOA_W
ClientSampled :
VW0307SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	3.8	8.6	12.8#

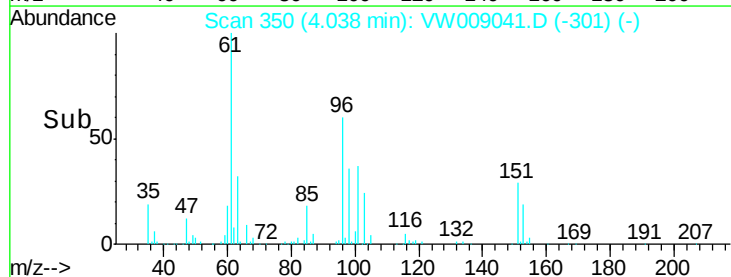
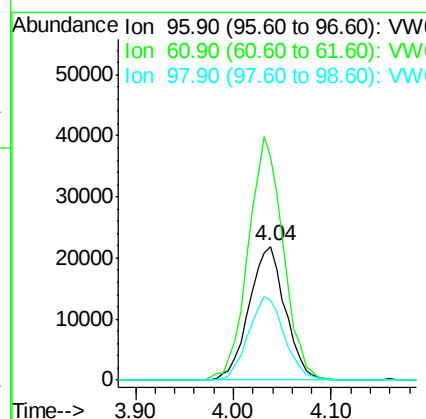
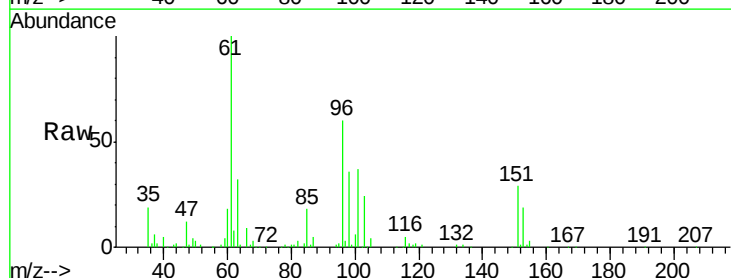
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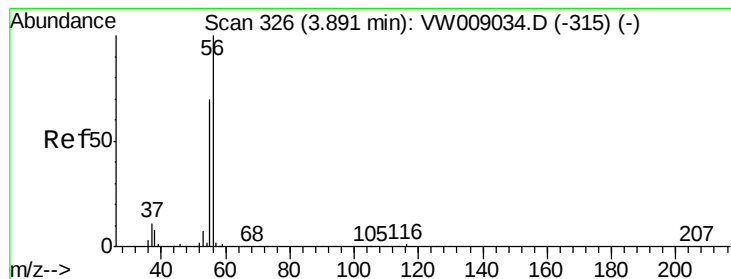
MMDadoda
3/8/2019 12:06:30 PM



#12
1,1-Dichloroethene
Concen: 20.881 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW009041.D
Acq: 07 Mar 2019 15:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.2	138.2	207.2
98	59.4	51.3	76.9





#13

Acrolein

Concen: 86.697 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Instrument :

MSVOA_W

ClientSampleId :

VW0307SBS01

Tot Ion: 56 Resp: 22081

Ion Ratio Lower Upper

56 100

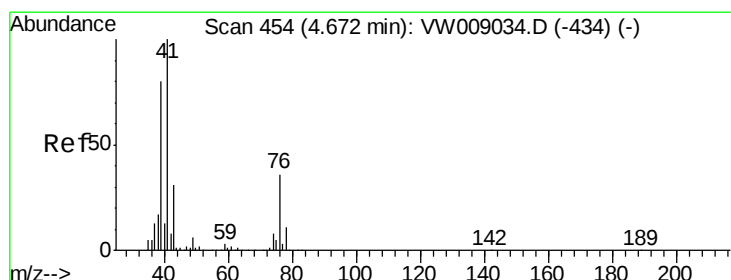
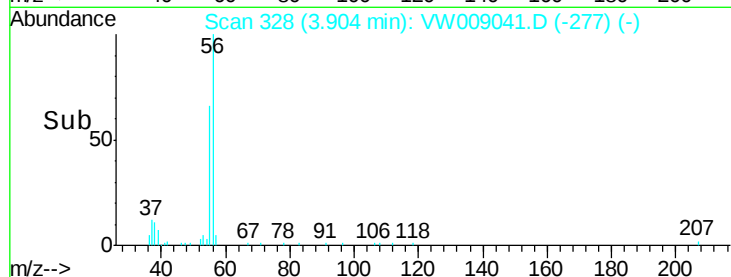
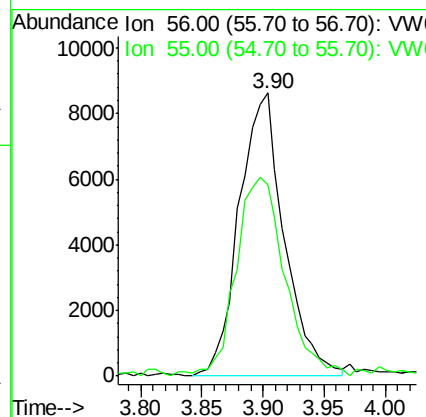
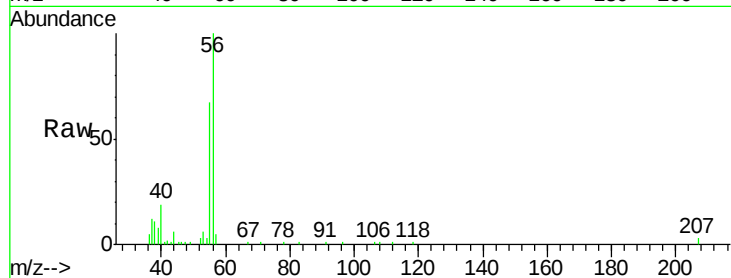
55 76.2 56.6 84.8

Manual Integrations

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#14

Allyl chloride

Concen: 19.938 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

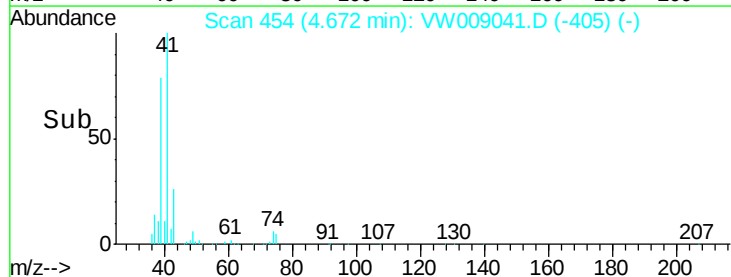
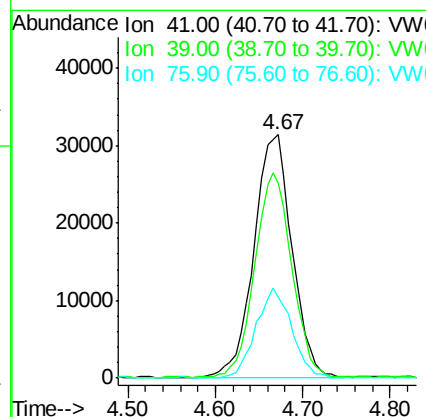
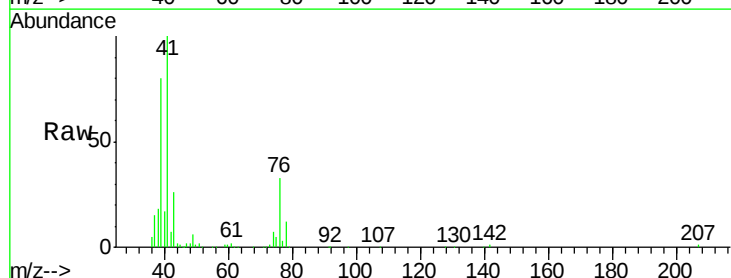
Tgt Ion: 41 Resp: 94891

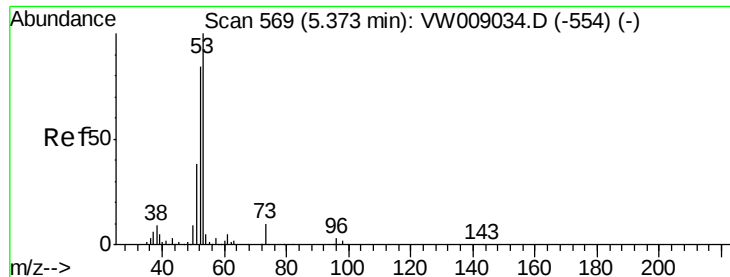
Ion Ratio Lower Upper

41 100

39 81.1 63.0 94.4

76 34.9 28.2 42.2





#15

Acrylonitrile

Concen: 89.705 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Instrument :

MSVOA_W

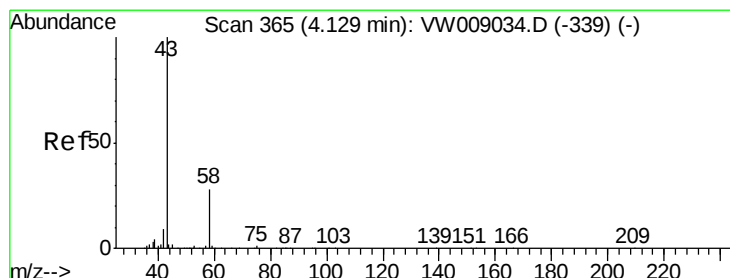
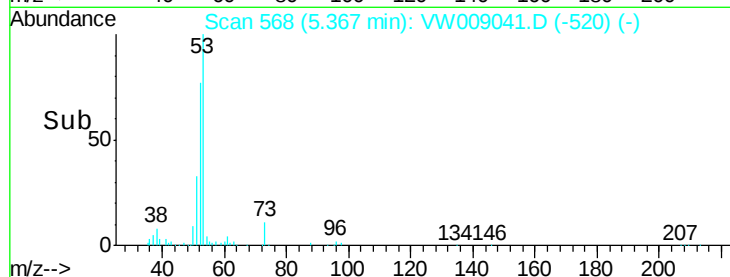
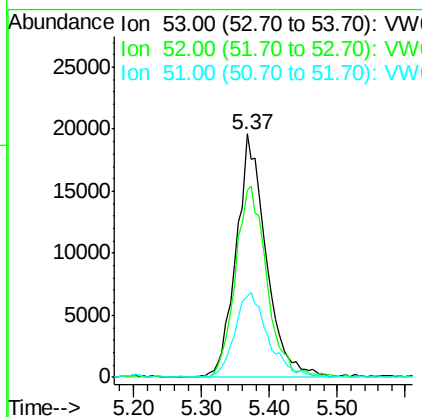
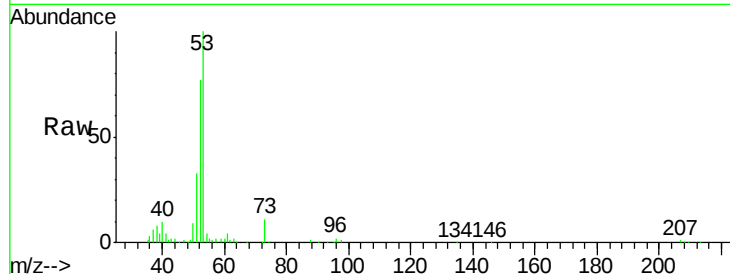
ClientSampleId :

VW0307SBS01

Tot Ion:	53	Resp:	60121
Ion Ratio	Lower	Upper	
53	100		
52	80.6	67.2	100.8
51	38.8	31.8	47.6

Manual Integrations
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#16

Acetone

Concen: 90.913 ug/l

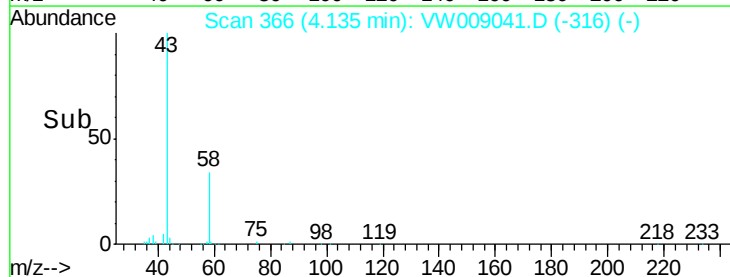
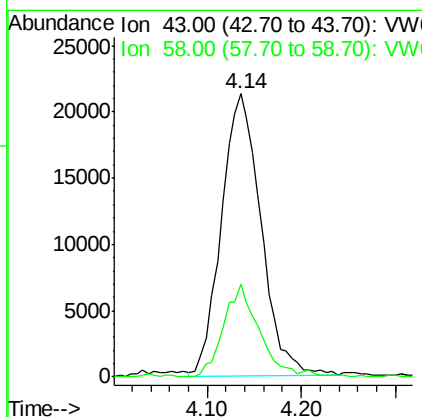
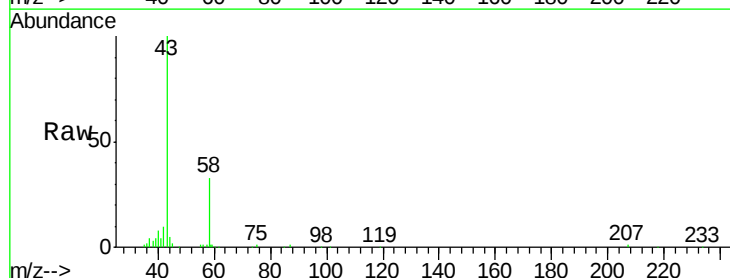
RT: 4.14 min Scan# 366

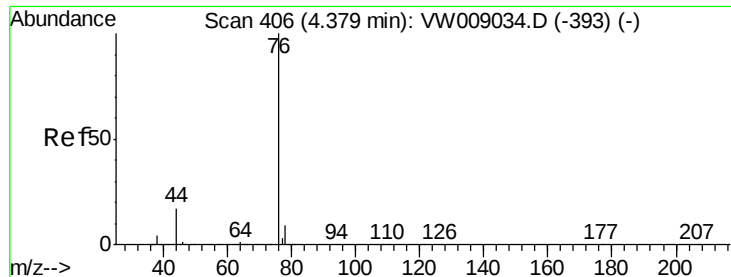
Delta R.T. 0.01 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Tgt Ion:	43	Resp:	61964
Ion Ratio	Lower	Upper	
43	100		
58	32.9	22.5	33.7





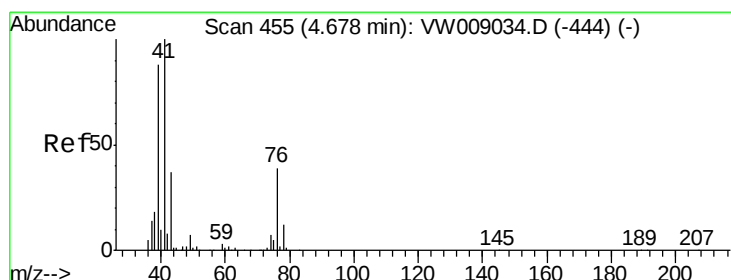
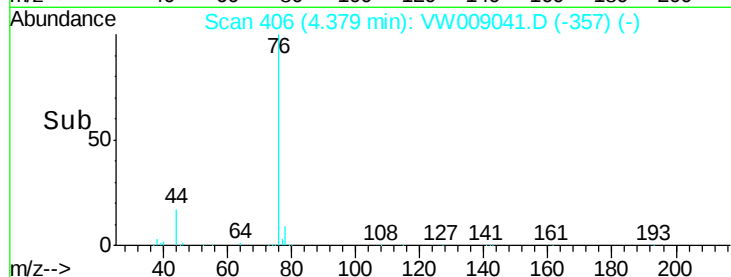
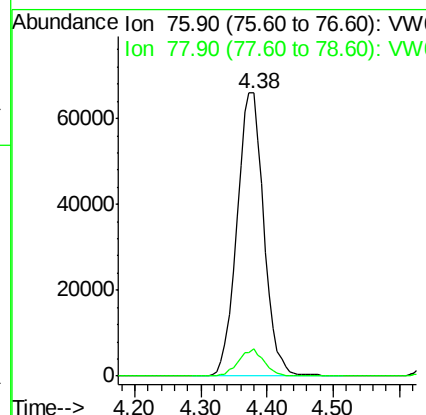
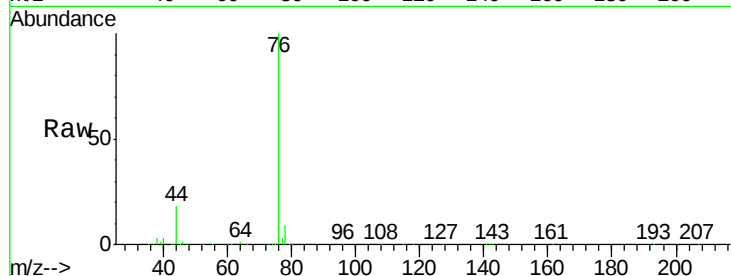
#17
Carbon Disulfide
Concen: 20.404 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW009041.D
Acq: 07 Mar 2019 15:57

Instrument :
MSVOA_W
ClientSampleId :
VW0307SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.0	10.6

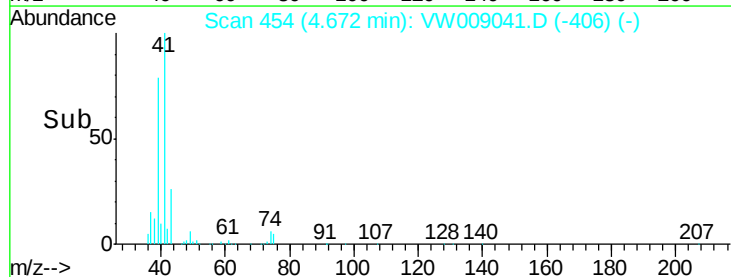
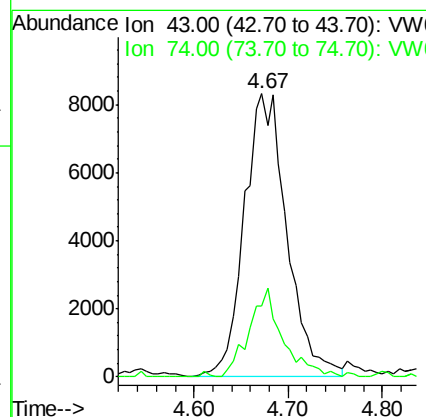
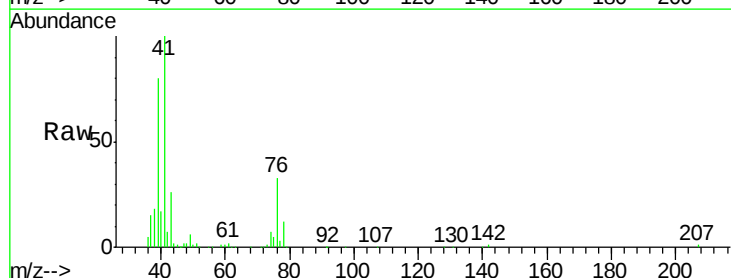
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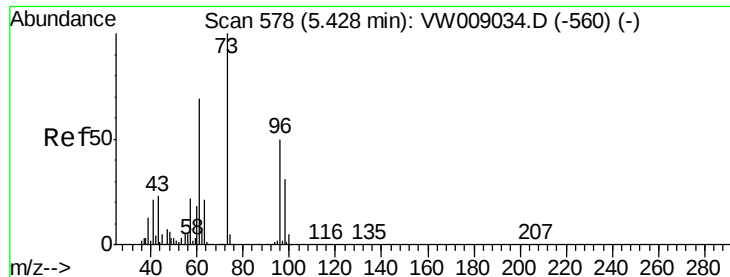
MMDadoda
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#18
Methyl Acetate
Concen: 16.844 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW009041.D
Acq: 07 Mar 2019 15:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	17.6	26.4





#19

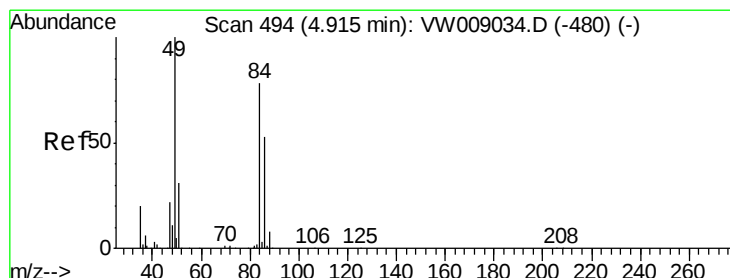
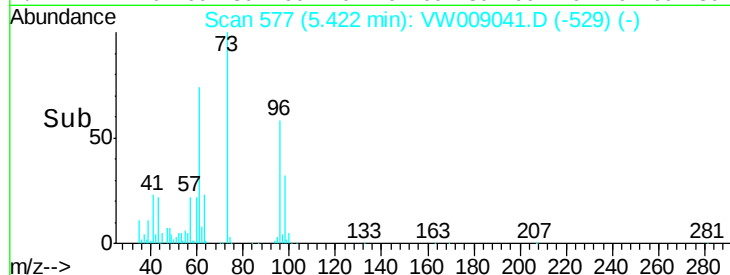
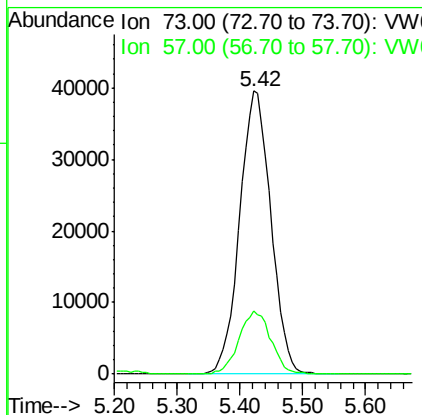
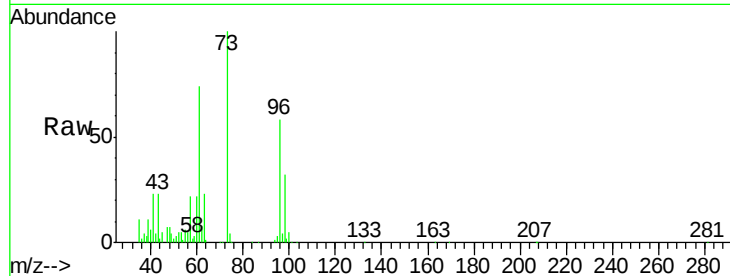
Methyl tert-butyl Ether
 Concen: 19.071 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW009041.D
 Acq: 07 Mar 2019 15:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0307SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.3	25.9

Manual Integrations
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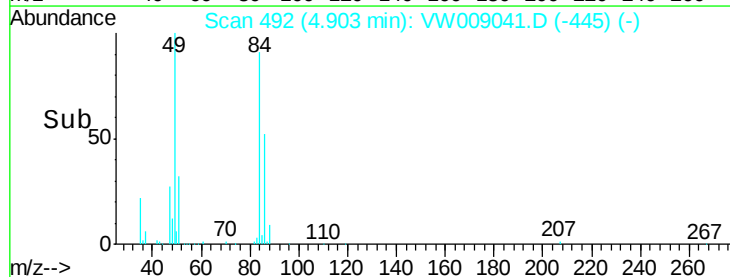
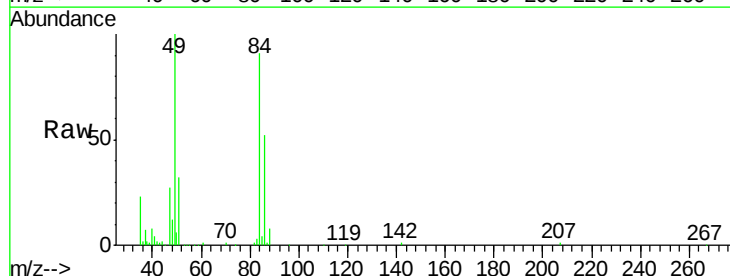
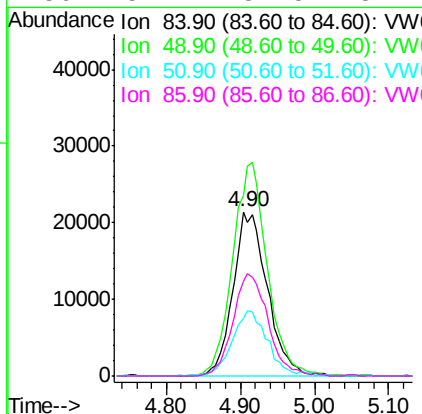
MMDadoda
 3/8/2019 12:06:30 PM

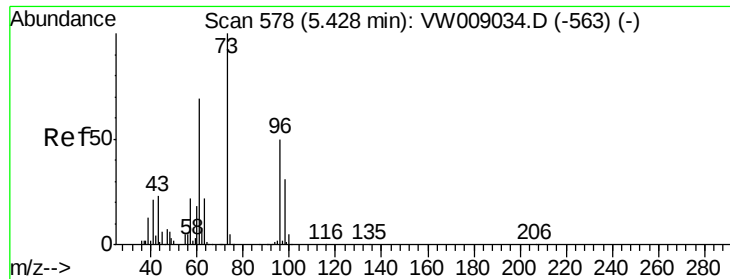


#20

Methylene Chloride
 Concen: 18.117 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. -0.01 min
 Lab File: VW009041.D
 Acq: 07 Mar 2019 15:57

Tgt Ion	Ratio	Lower	Upper
84	100		
49	110.3	102.4	153.6
51	34.8	31.6	47.4
86	57.4	54.5	81.7





#21

trans-1,2-Dichloroethene

Concen: 20.706 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Instrument :

MSVOA_W

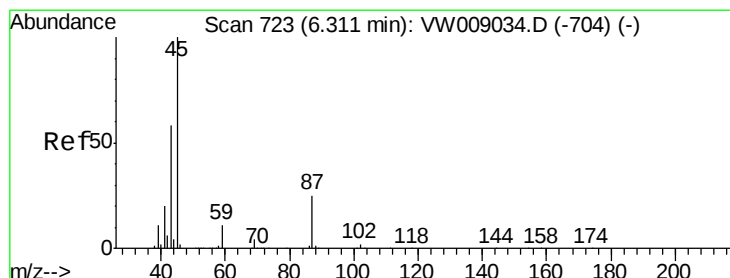
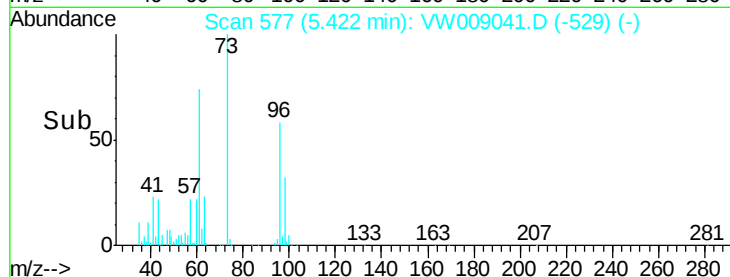
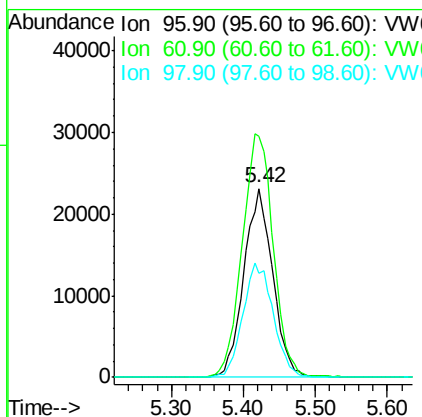
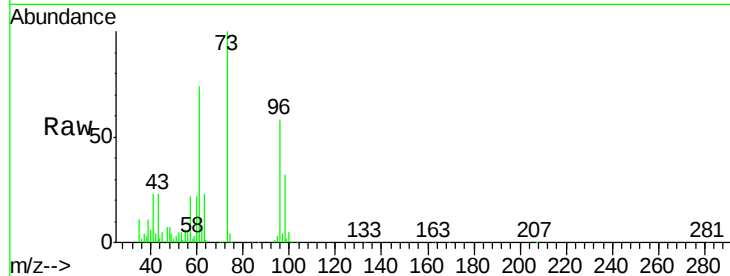
ClientSampleId :

VW0307SBS01

Tot Ion:	96	Resp:	64507
Ion	Ratio	Lower	Upper
96	100		
61	127.5	111.0	166.6
98	55.5	49.4	74.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.980 ug/l

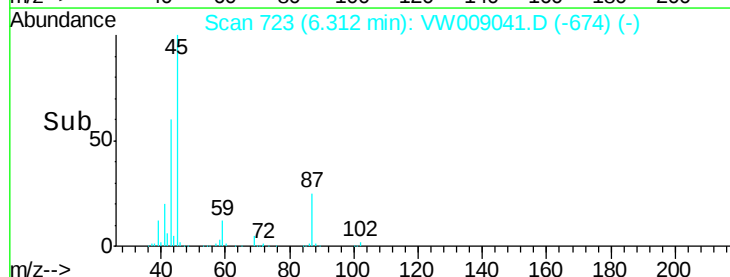
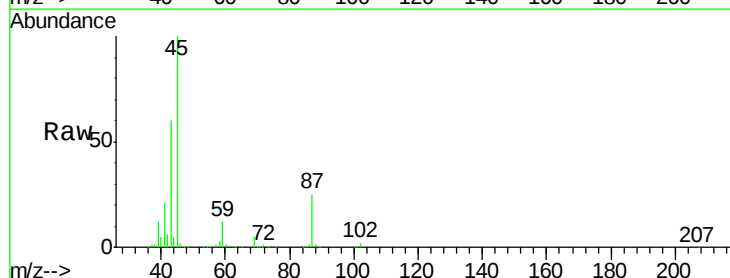
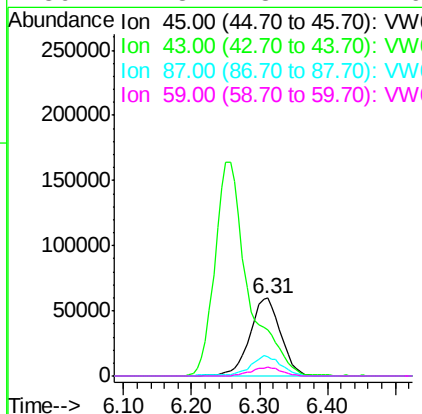
RT: 6.31 min Scan# 723

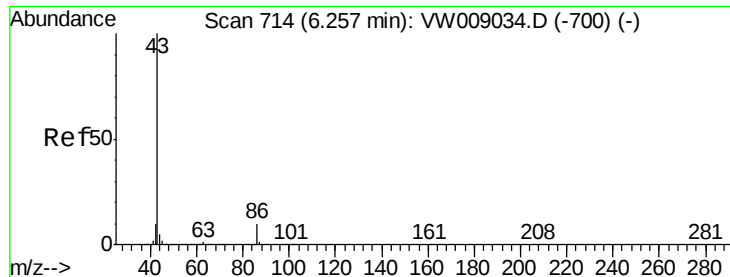
Delta R.T. 0.00 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Tgt Ion:	45	Resp:	188971
Ion	Ratio	Lower	Upper
45	100		
43	59.0	46.2	69.4
87	25.3	20.1	30.1
59	11.8	8.4	12.6





#23

Vinyl Acetate

Concen: 94.584 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Instrument :

MSVOA_W

ClientSampled :

VW0307SBS01

Tot Ion: 43 Resp: 556679

Ion Ratio Lower Upper

43 100

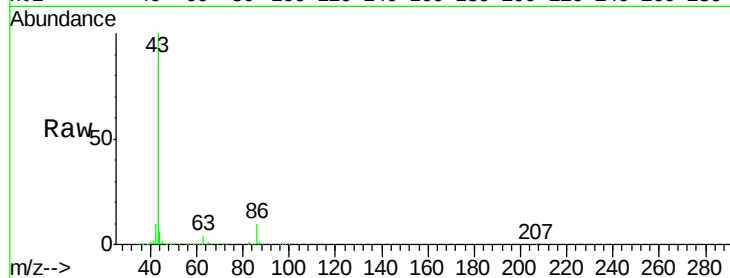
86 10.0 7.6 11.4

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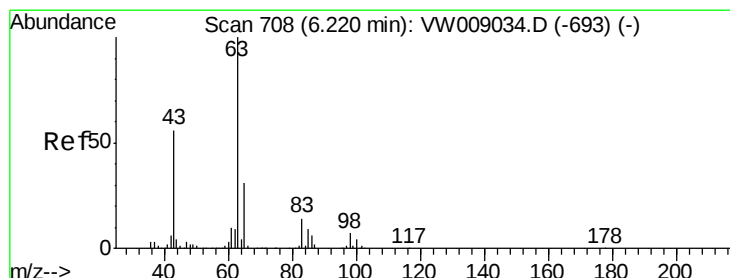
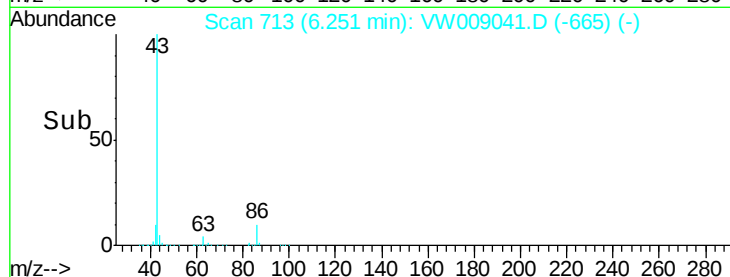
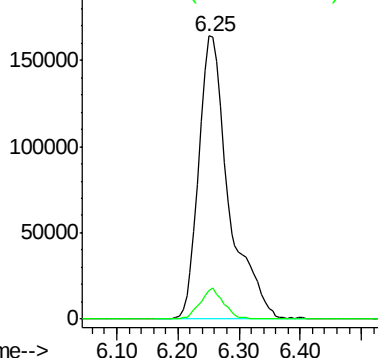
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.206 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

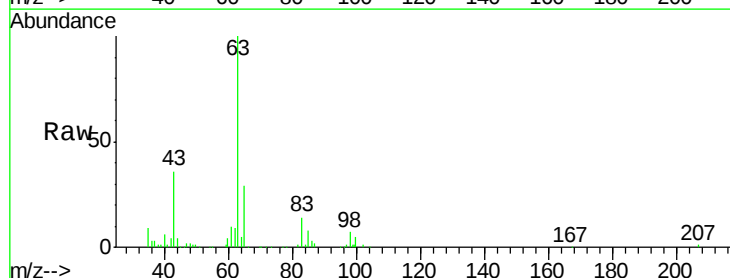
Tgt Ion: 63 Resp: 110846

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

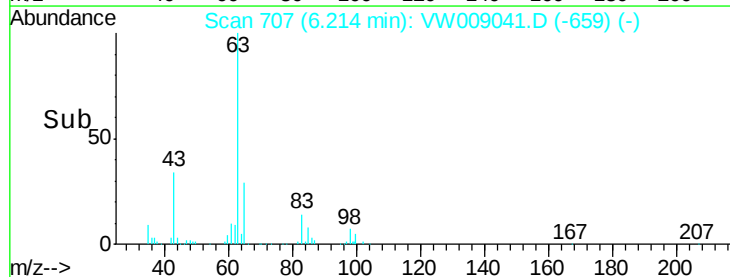
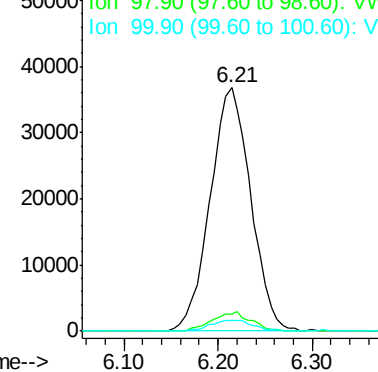
100 4.5 2.1 6.2

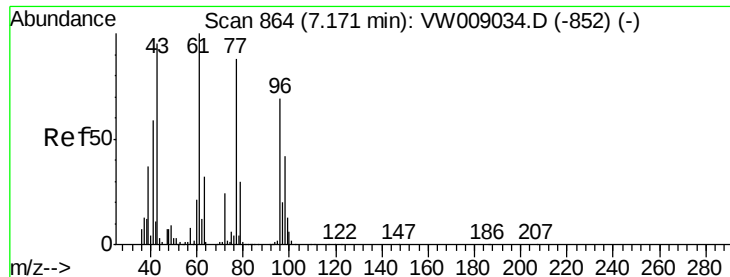


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 88.141 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Instrument :

MSVOA_W

ClientSampleId :

VW0307SBS01

Tot Ion: 43 Resp: 83025

Ion Ratio Lower Upper

43 100

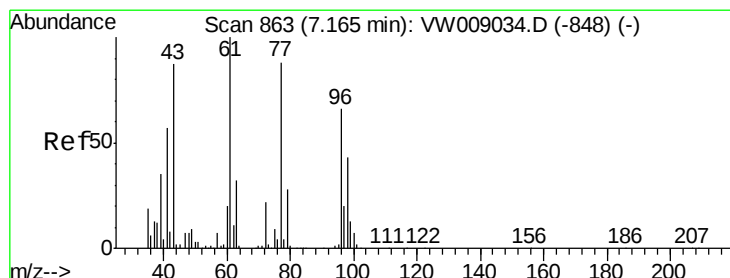
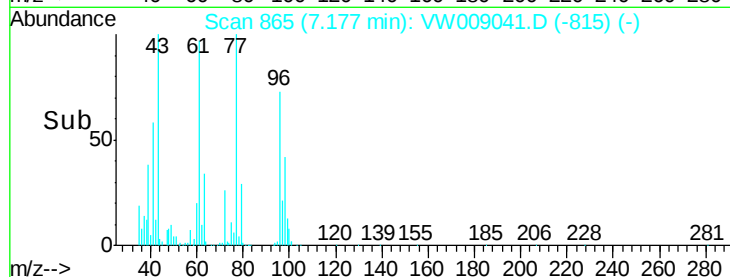
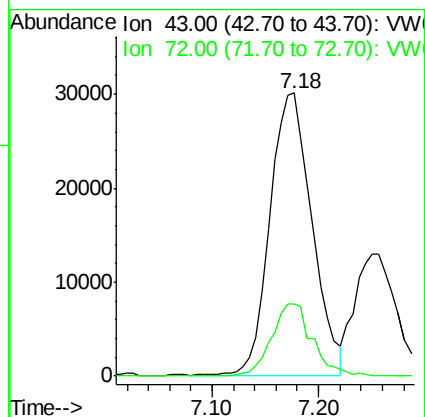
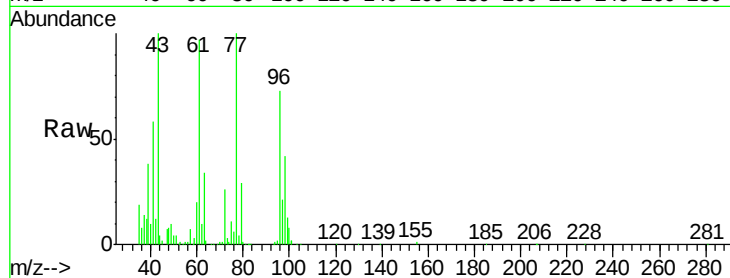
72 25.7 20.0 30.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.292 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW009041.D

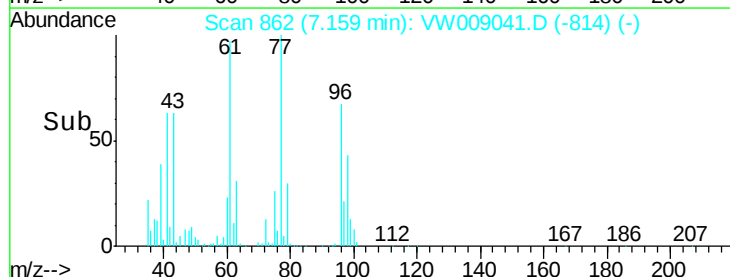
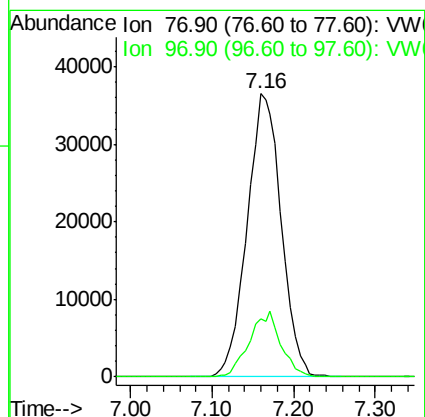
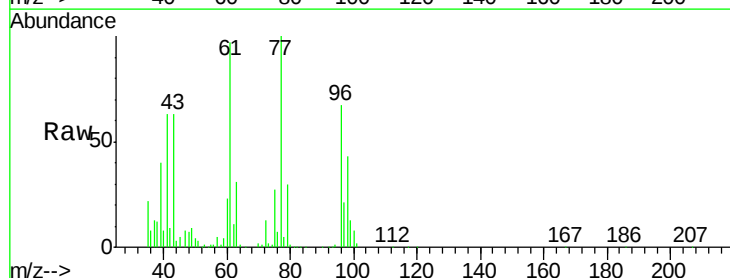
Acq: 07 Mar 2019 15:57

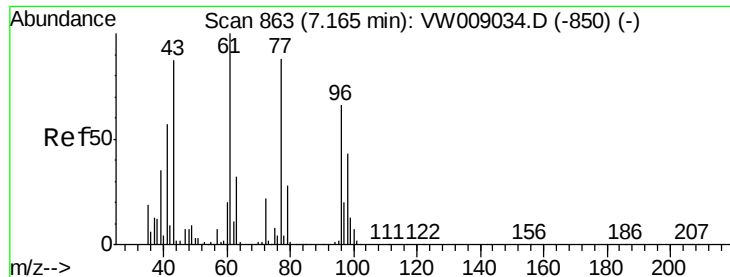
Tgt Ion: 77 Resp: 106170

Ion Ratio Lower Upper

77 100

97 21.5 10.9 32.9





#27

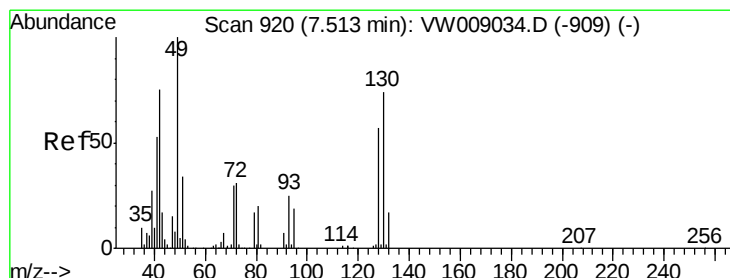
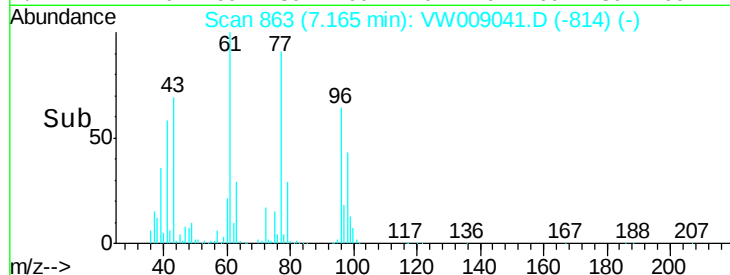
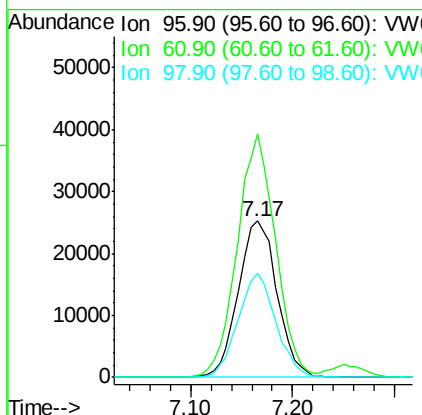
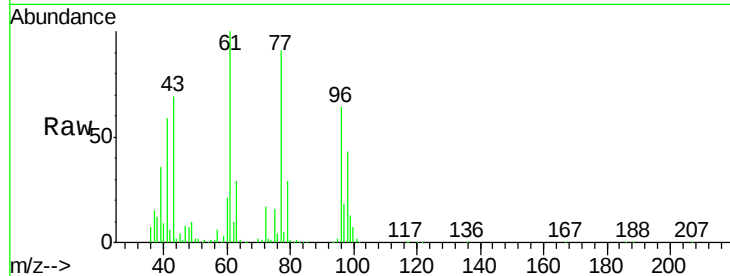
cis-1,2-Dichloroethene
Concen: 20.005 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009041.D
Acq: 07 Mar 2019 15:57

Instrument :
MSVOA_W
ClientSampled :
VW0307SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.9	0.0	299.8
98	64.7	0.0	127.2

Manual Integrations
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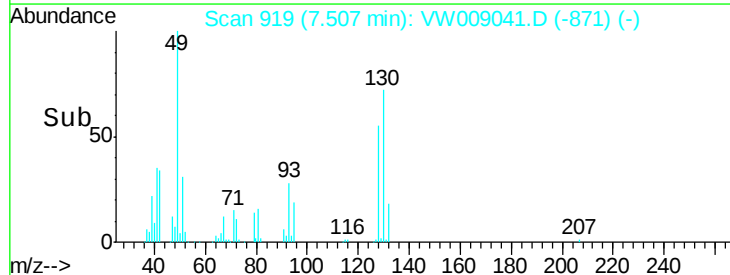
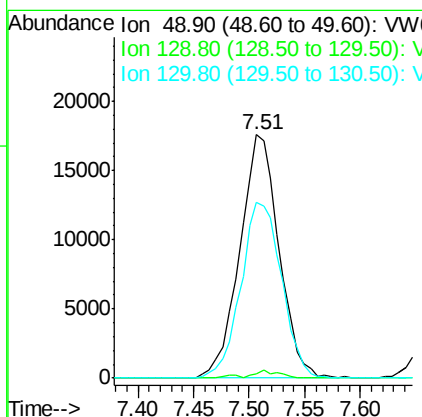
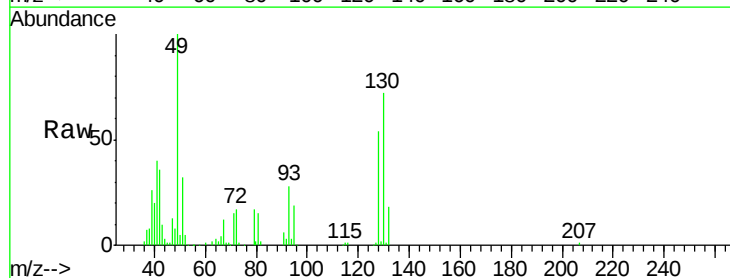
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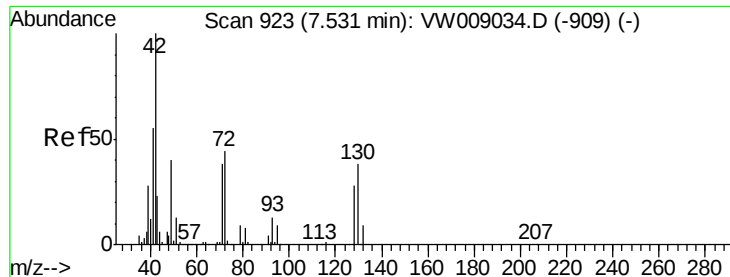


#28

Bromochloromethane
Concen: 18.822 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW009041.D
Acq: 07 Mar 2019 15:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.6
130	75.2	60.4	90.6





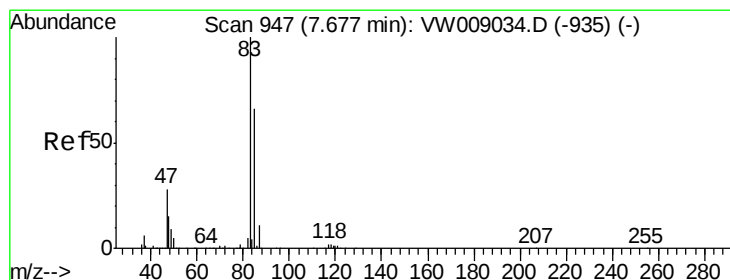
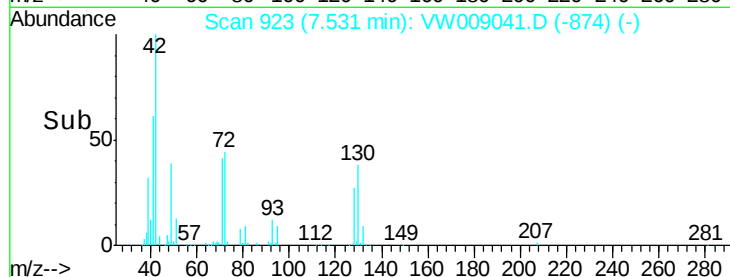
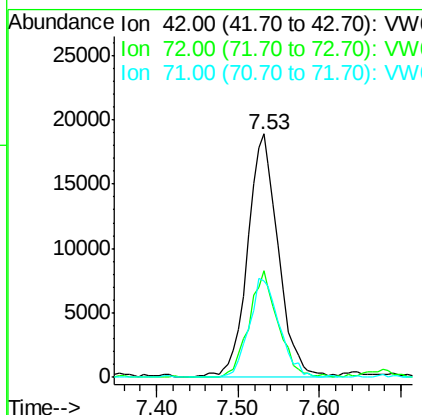
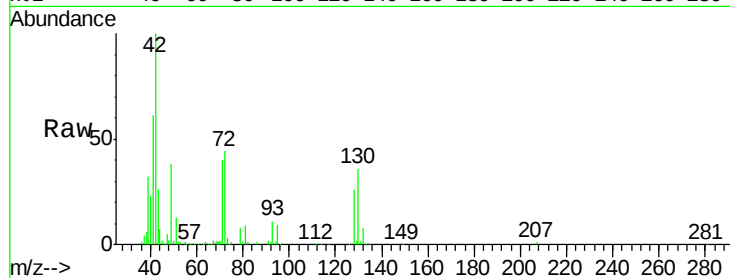
#29
Tetrahydrofuran
Concen: 83.544 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW009041.D
Acq: 07 Mar 2019 15:57

Instrument :
MSVOA_W
ClientSampleId :
VW0307SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	32.2	48.4
71	39.8	30.7	46.1

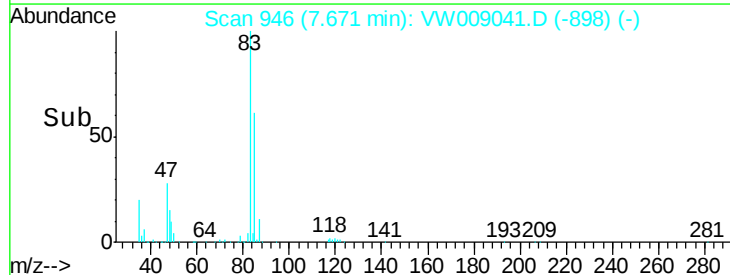
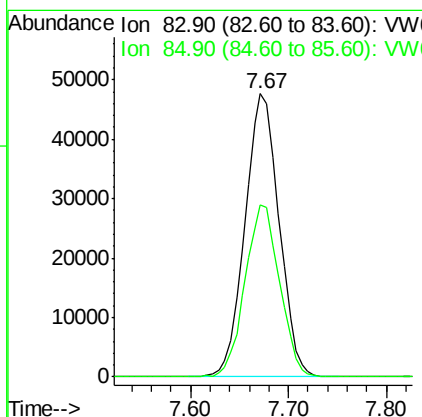
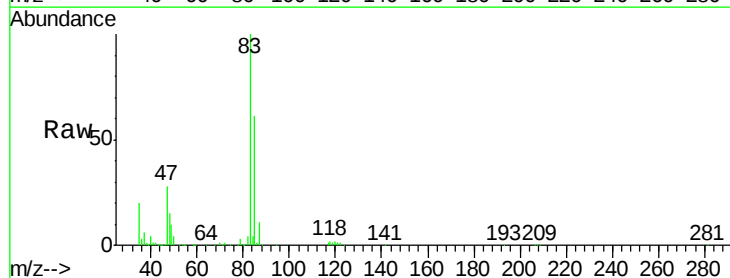
Manual Integrations
APPROVED

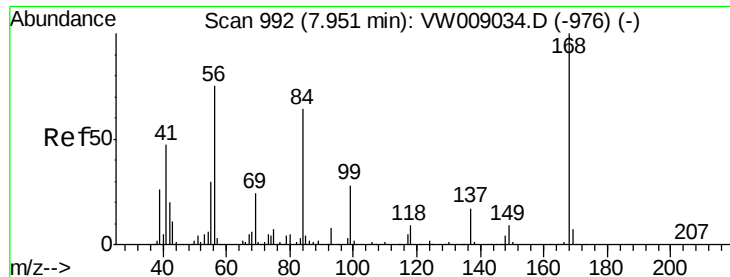
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#30
Chloroform
Concen: 20.408 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW009041.D
Acq: 07 Mar 2019 15:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.9	53.0	79.6





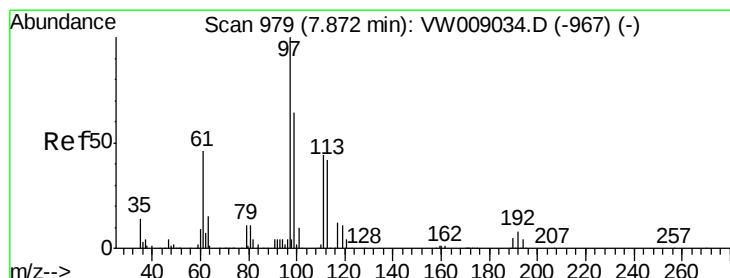
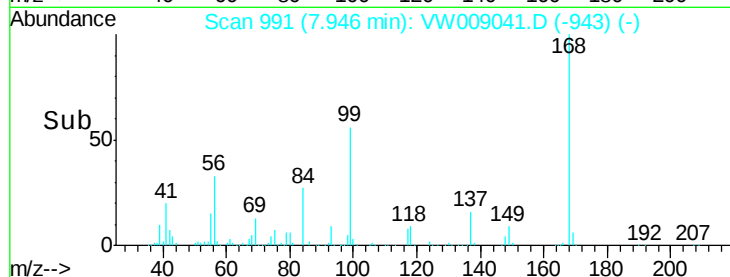
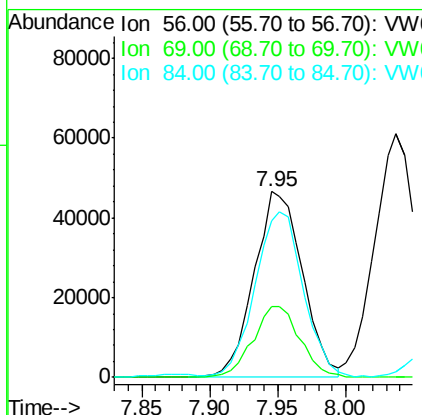
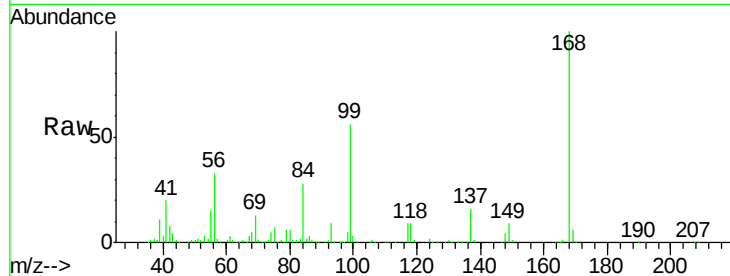
#31
Cyclohexane
Concen: 20.580 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009041.D
Acq: 07 Mar 2019 15:57

Instrument :
MSVOA_W
ClientSampled :
VW0307SBS01

Tot Ion	56	69	84
Resp	115924		
Ion Ratio	100	38.2	82.7
Lower		25.5	68.6
Upper		38.3	103.0

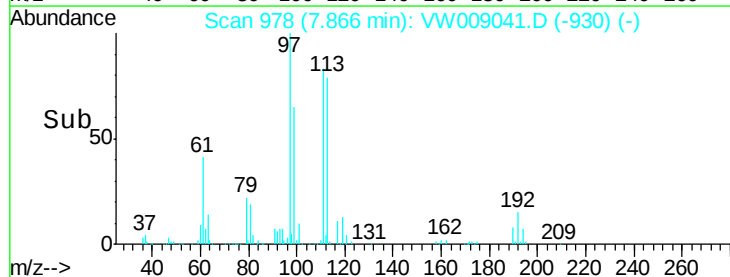
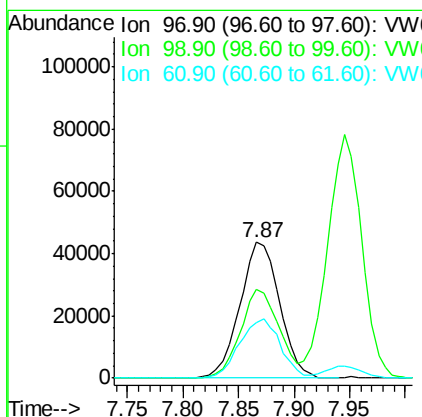
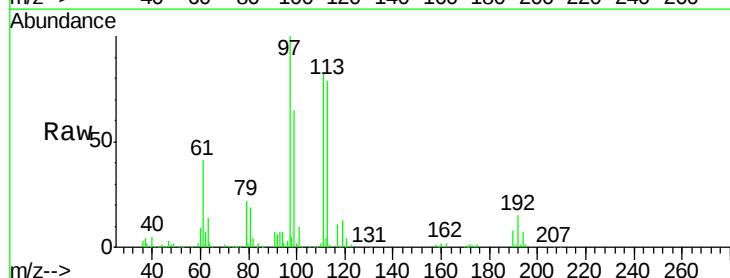
Manual Integrations
APPROVED

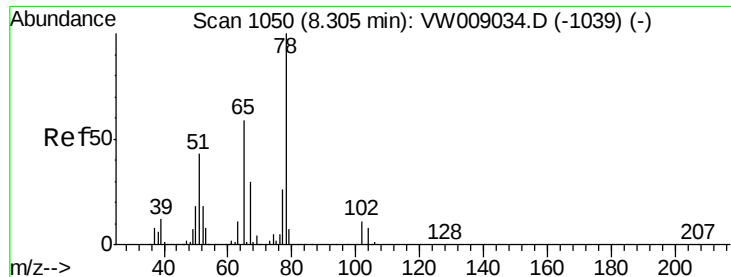
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.733 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW009041.D
Acq: 07 Mar 2019 15:57

Tgt Ion	97	99	61
Resp	108064		
Ion Ratio	100	63.8	45.1
Lower		51.8	37.3
Upper		77.8	55.9





#33

1,2-Dichloroethane-d4

Concen: 50.508 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Instrument :

MSVOA_W

ClientSampleId :

VW0307SBS01

Tot Ion: 65 Resp: 152555

Ion Ratio Lower Upper

65 100

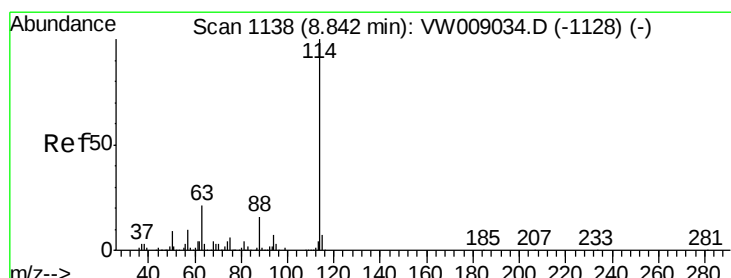
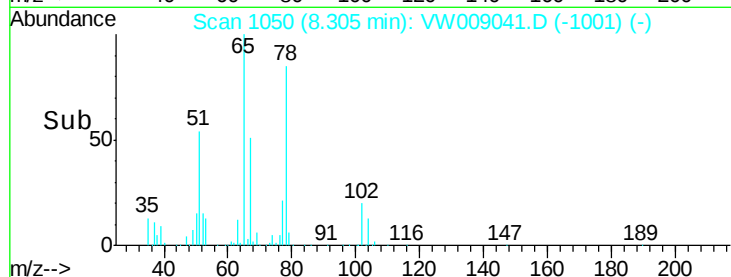
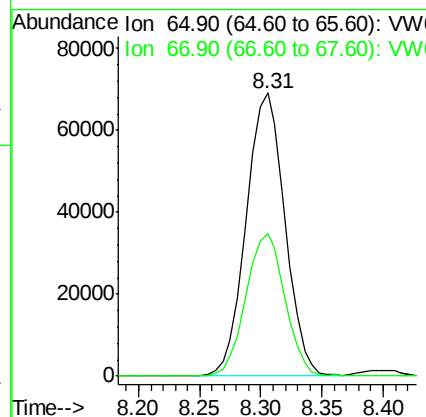
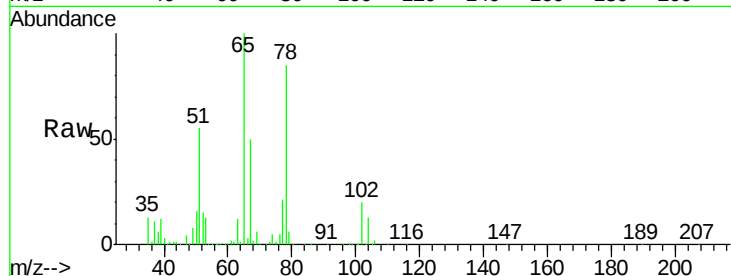
67 50.9 0.0 103.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

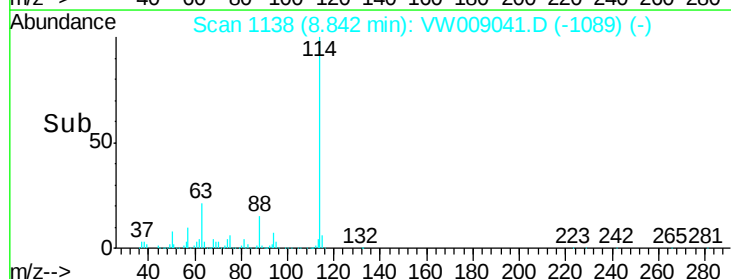
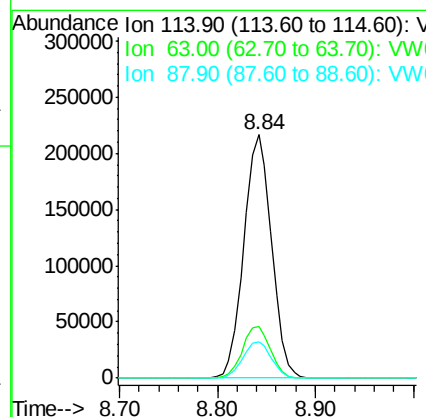
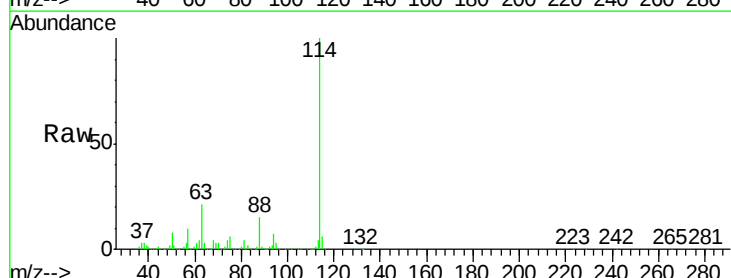
Tgt Ion: 114 Resp: 425339

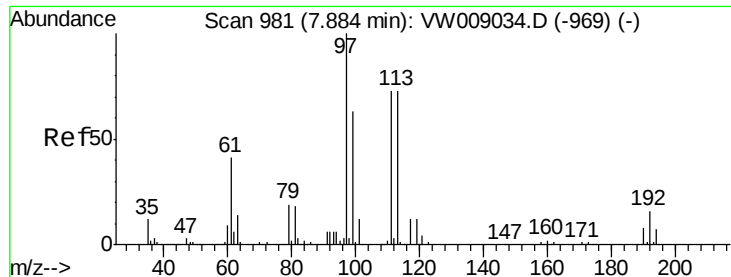
Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.2

88 14.7 0.0 31.2





#35

Dibromofluoromethane

Concen: 54.160 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Instrument :

MSVOA_W

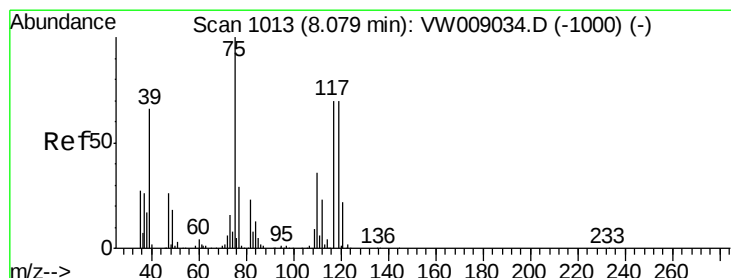
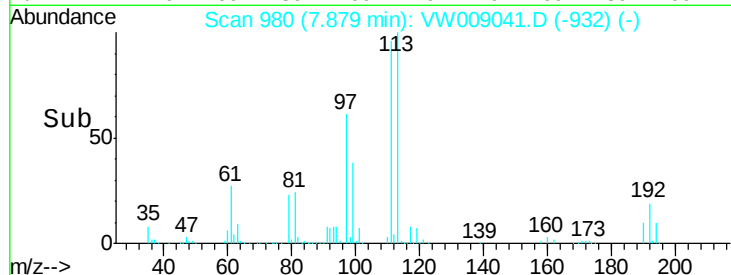
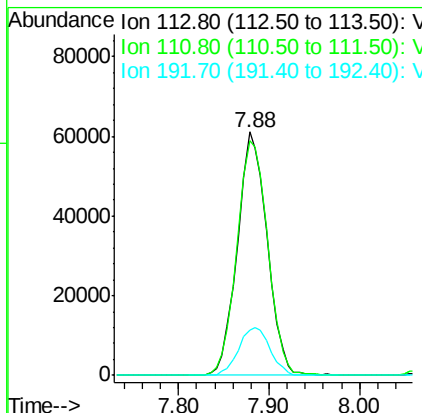
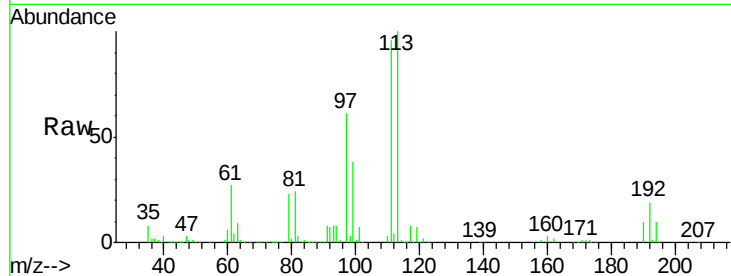
ClientSampleId :

VW0307SBS01

Tot Ion:	113	Resp:	138699
Ion Ratio	Lower	Upper	
113	100		
111	100.8	81.0	121.4
192	20.8	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 21.221 ug/l

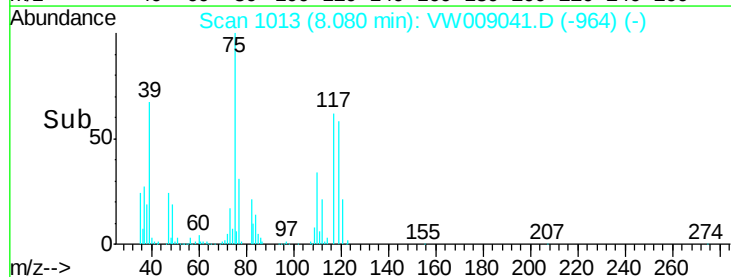
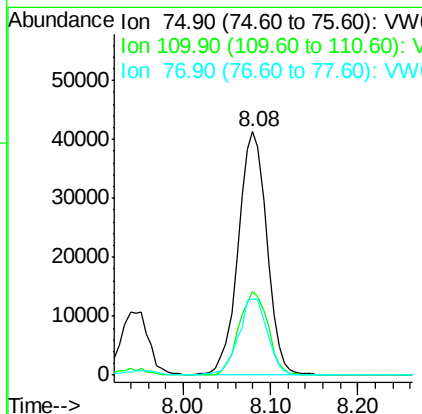
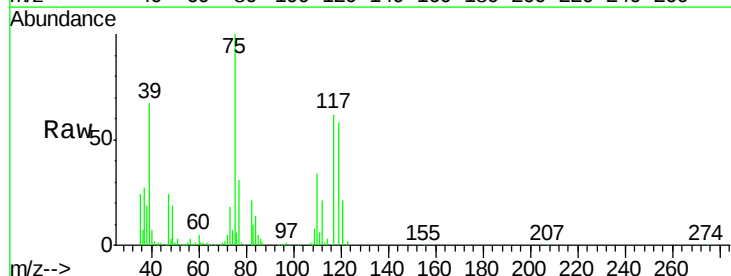
RT: 8.08 min Scan# 1013

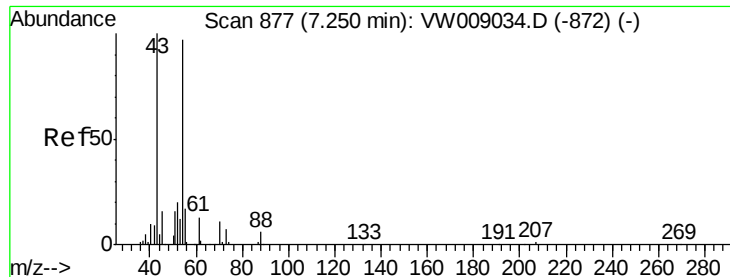
Delta R.T. 0.00 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Tgt Ion:	75	Resp:	94380
Ion Ratio	Lower	Upper	
75	100		
110	34.7	17.6	52.9
77	31.6	25.1	37.7





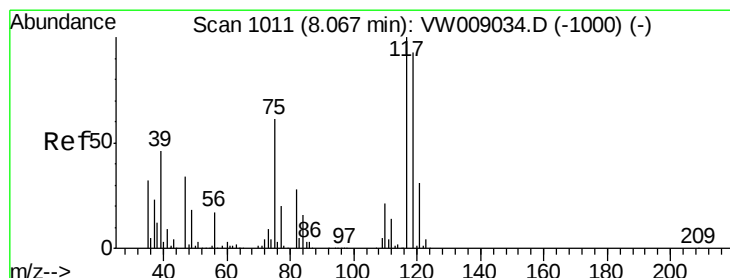
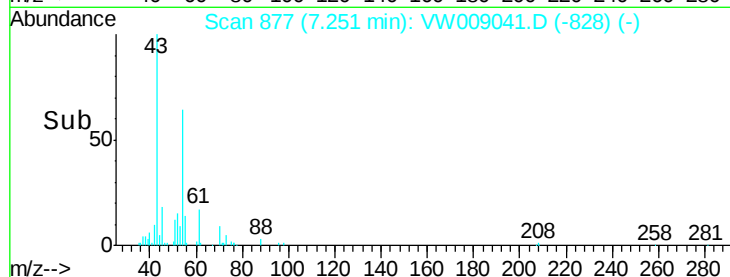
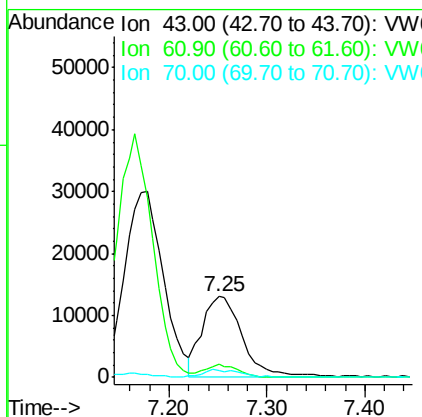
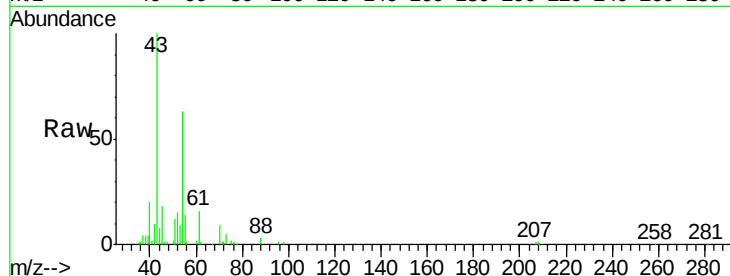
#37
Ethyl Acetate
Concen: 17.494 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW009041.D
Acq: 07 Mar 2019 15:57

Instrument :
MSVOA_W
ClientSampleId :
VW0307SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	9.8	14.6
70	9.4	7.2	10.8

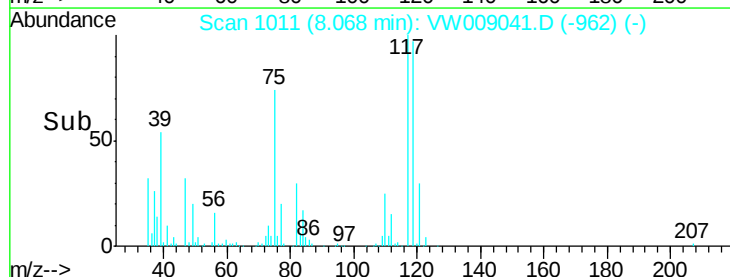
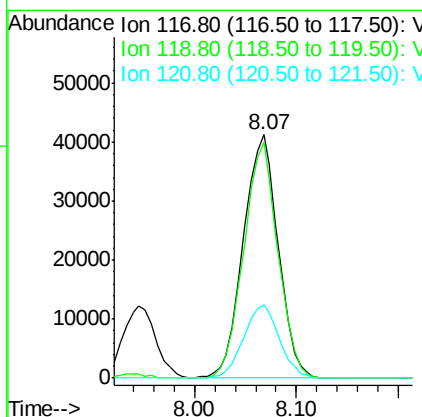
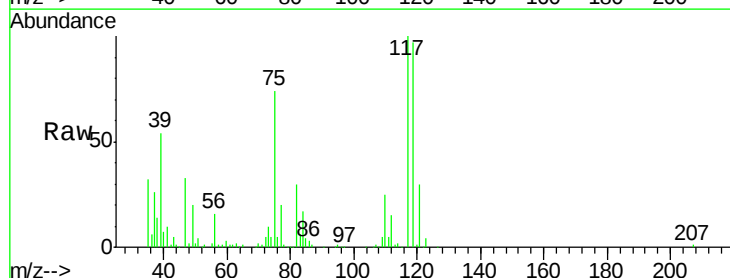
Manual Integrations
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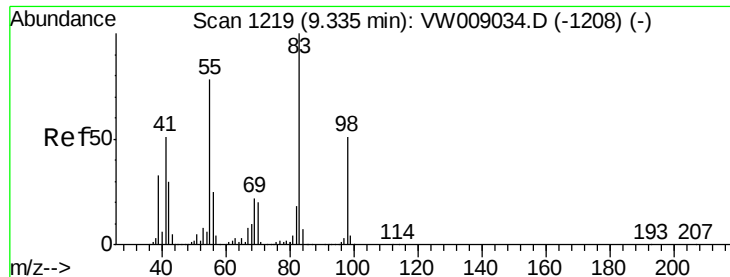
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3/8/2019 12:06:30 PM



#38
Carbon Tetrachloride
Concen: 21.366 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW009041.D
Acq: 07 Mar 2019 15:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	74.6	112.0
121	30.1	24.7	37.1





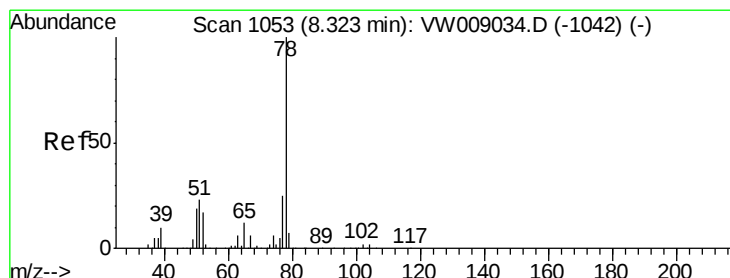
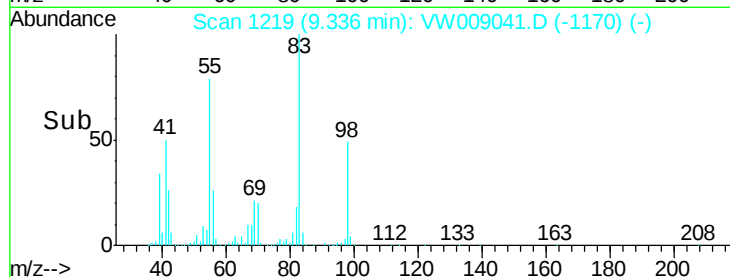
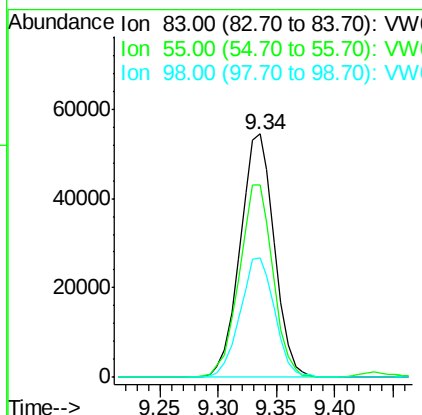
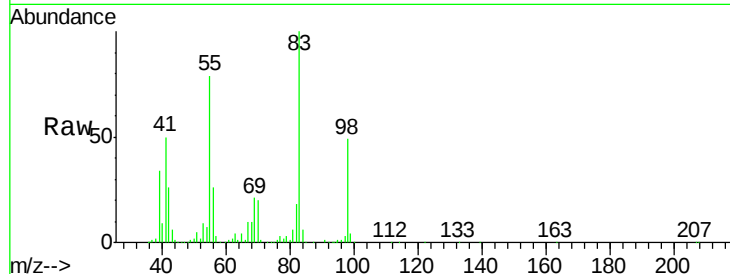
#39
Methvlcvclohexane
Concen: 20.966 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009041.D
Acq: 07 Mar 2019 15:57

Instrument :
MSVOA_W
ClientSampleId :
VW0307SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	78.9	62.7	94.1	
98	49.3	40.8	61.2	

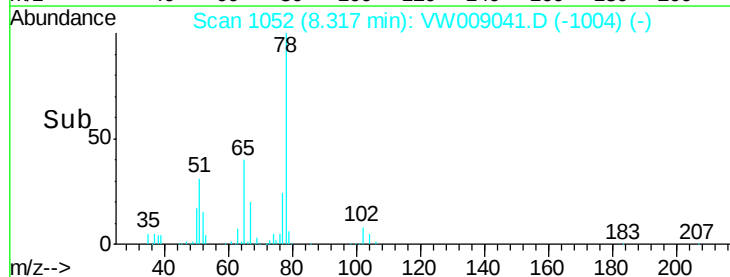
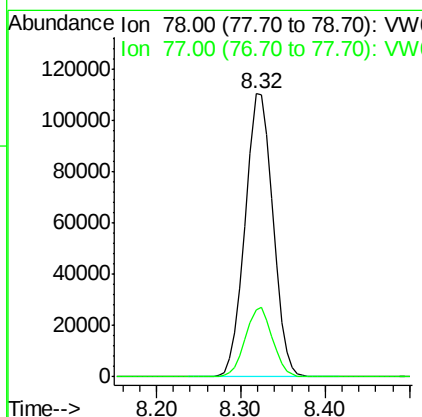
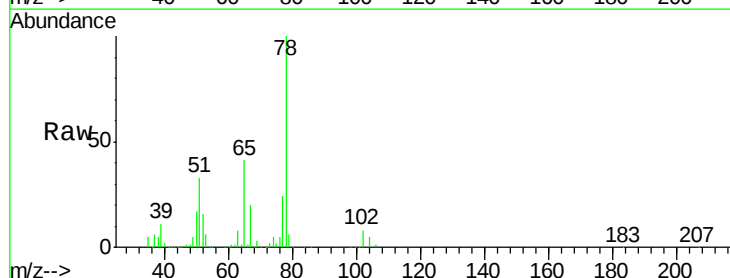
Manual Integrations
APPROVED

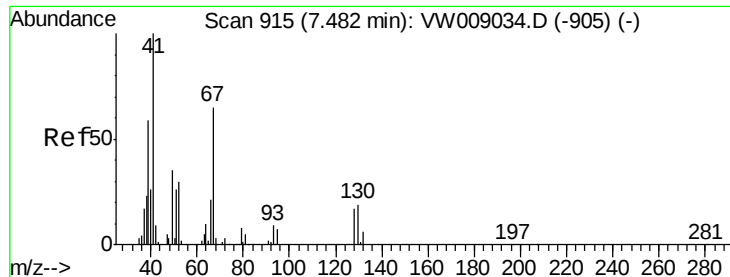
MMDadoda
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#40
Benzene
Concen: 20.728 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW009041.D
Acq: 07 Mar 2019 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.8	20.2	30.4	





#41

Methacrylonitrile

Concen: 17.917 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Instrument :

MSVOA_W

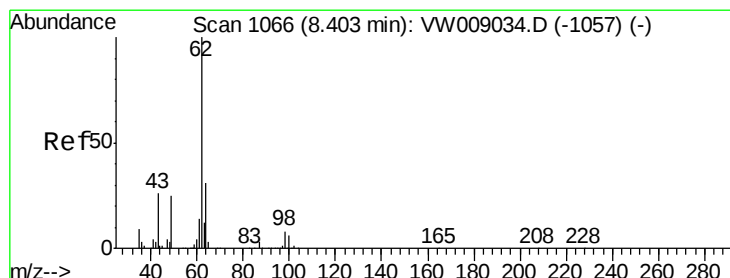
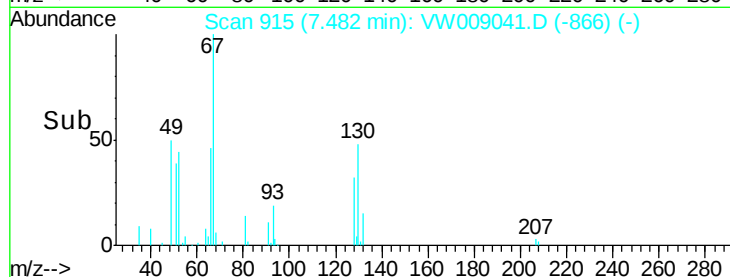
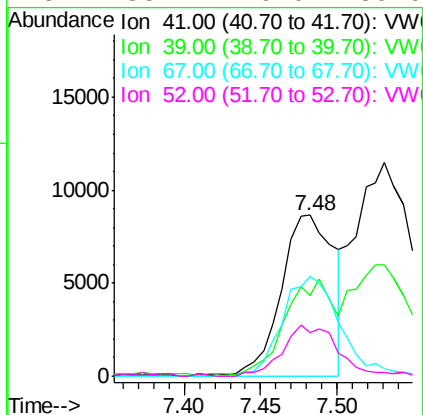
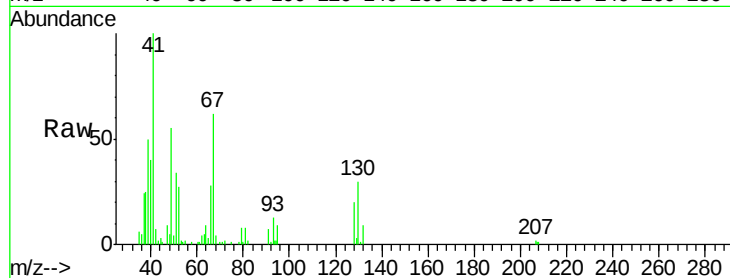
ClientSampled :

VW0307SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.3	53.6	80.4#
67	68.2	57.6	86.4
52	33.1	26.0	39.0

Manual Integrations
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3/8/2019 12:06:30 PM



#42

1,2-Dichloroethane

Concen: 19.769 ug/l

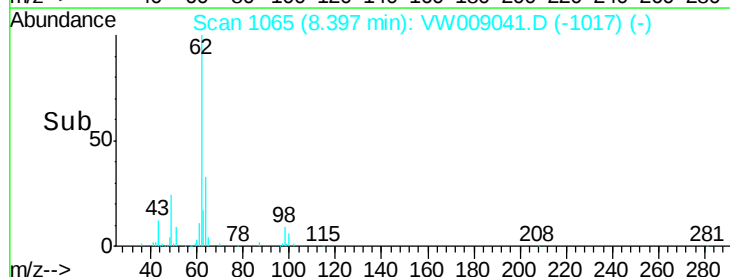
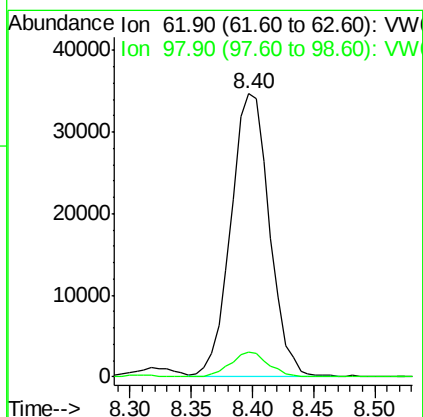
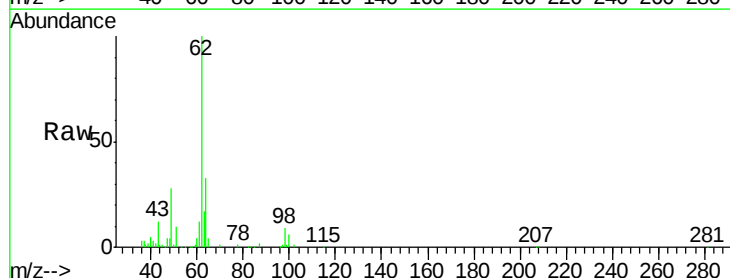
RT: 8.40 min Scan# 1065

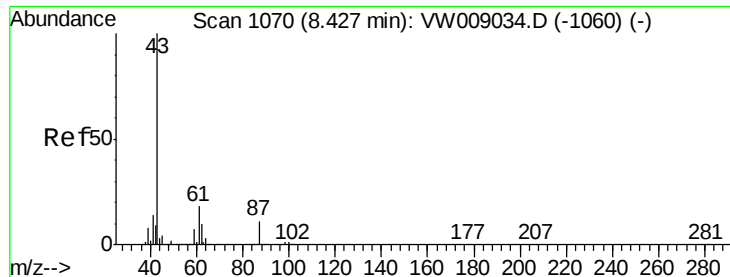
Delta R.T. -0.01 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.6





#43

Isopropyl Acetate

Concen: 17.773 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Instrument :

MSVOA_W

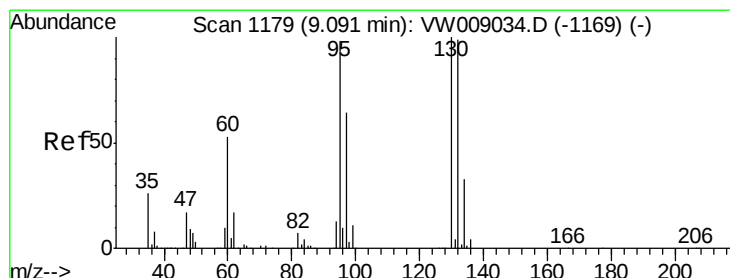
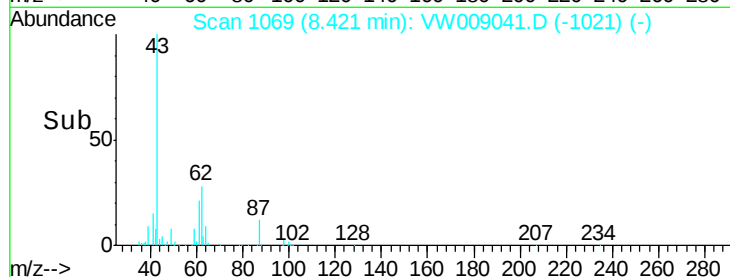
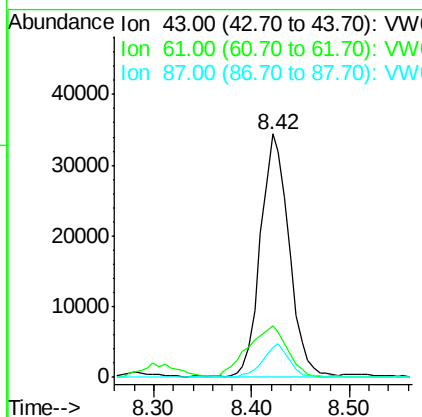
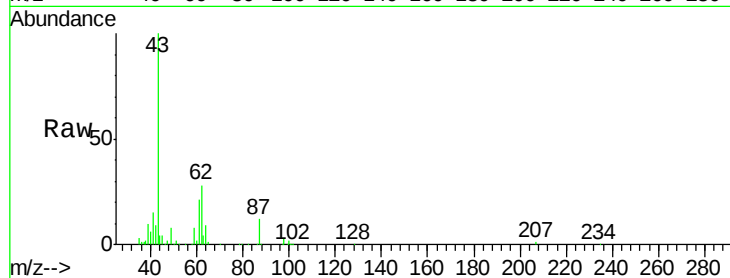
ClientSampleId :

VW0307SBS01

Tot Ion:	43	Resp:	69151
Ion	Ratio	Lower	Upper
43	100		
61	29.3	22.8	34.2
87	12.8	9.4	14.2

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#44

Trichloroethene

Concen: 21.023 ug/l

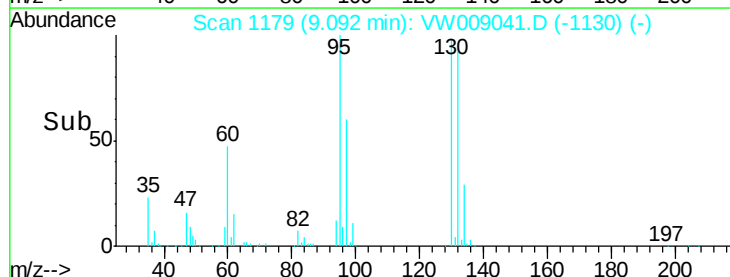
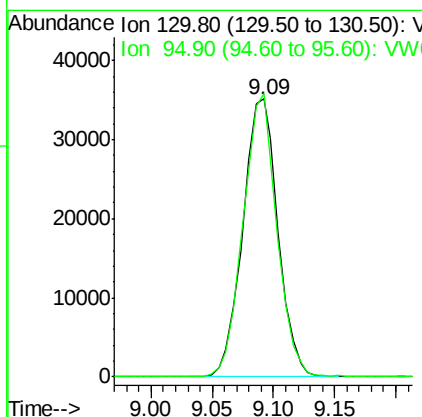
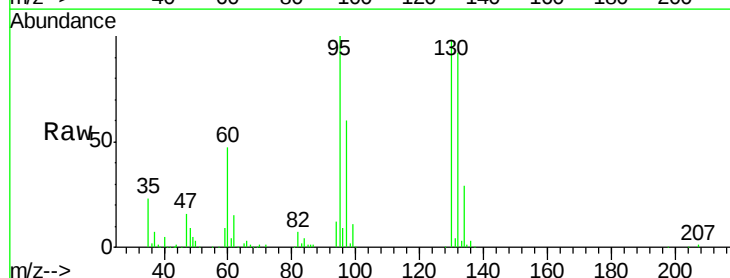
RT: 9.09 min Scan# 1179

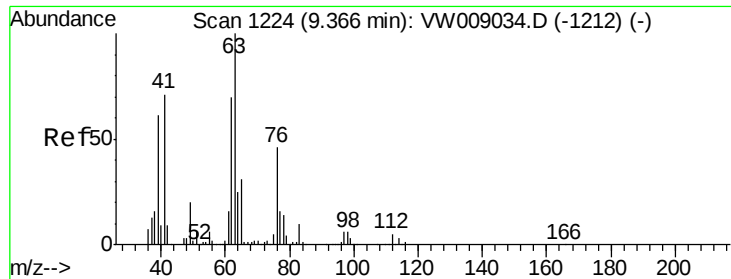
Delta R.T. 0.00 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Tgt Ion:	130	Resp:	69955
Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	197.0





#45

1,2-Dichloropropane

Concen: 20.038 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Instrument :

MSVOA_W

ClientSampleId :

VW0307SBS01

Tot Ion: 63 Resp: 59582

Ion Ratio Lower Upper

63 100

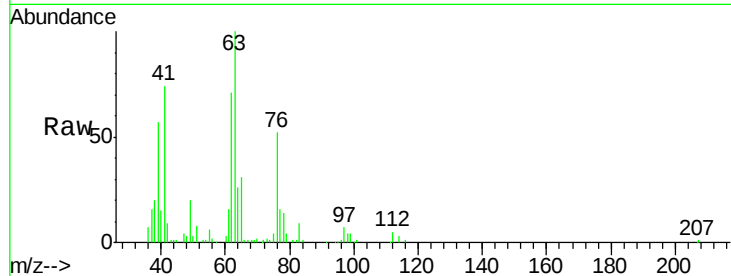
65 30.9 24.9 37.3

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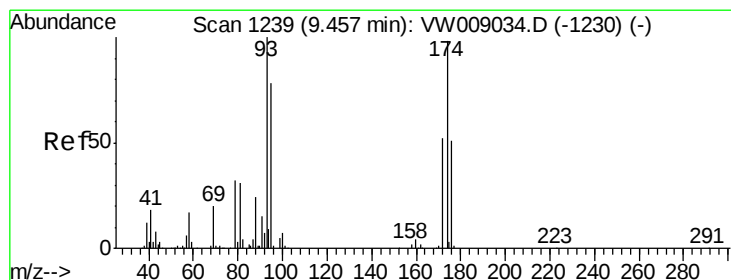
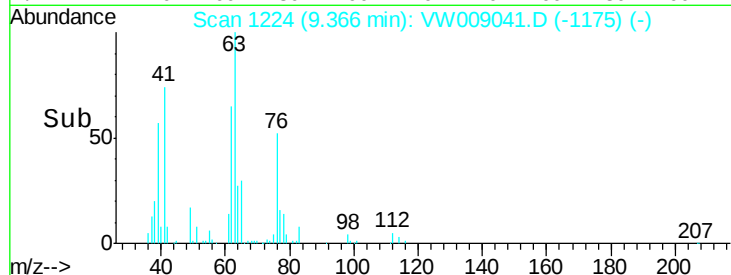
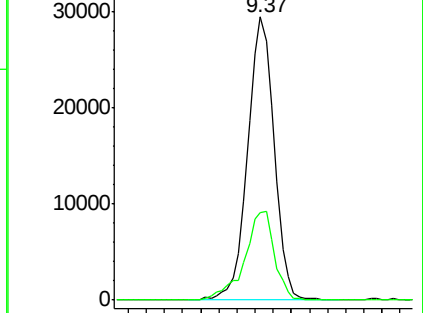
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 19.102 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

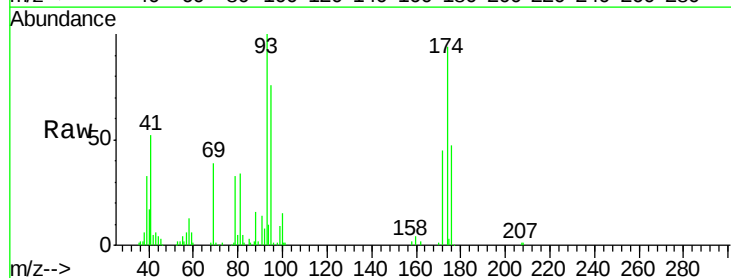
Tgt Ion: 93 Resp: 31020

Ion Ratio Lower Upper

93 100

95 84.3 65.0 97.6

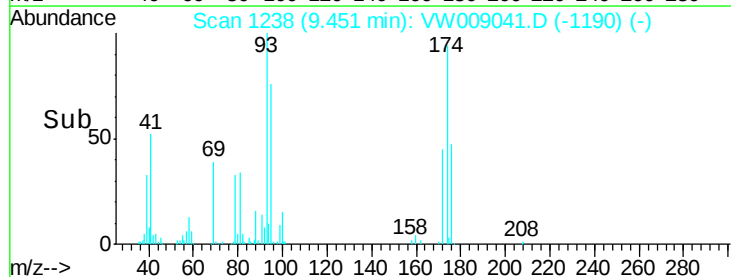
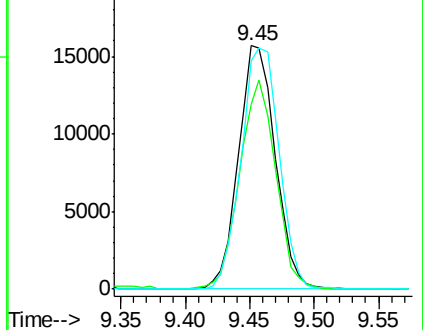
174 103.0 81.8 122.6

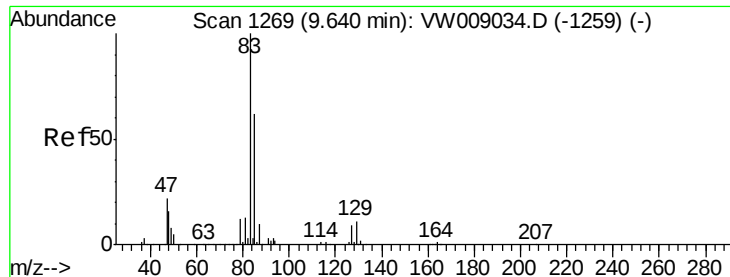


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





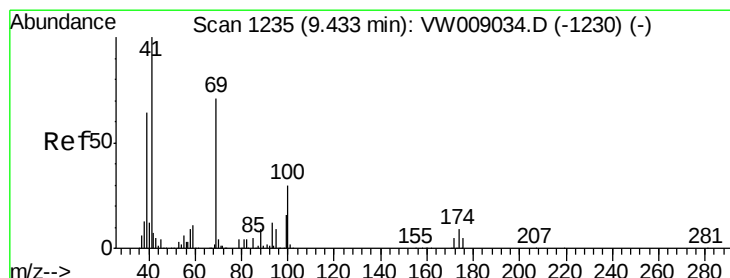
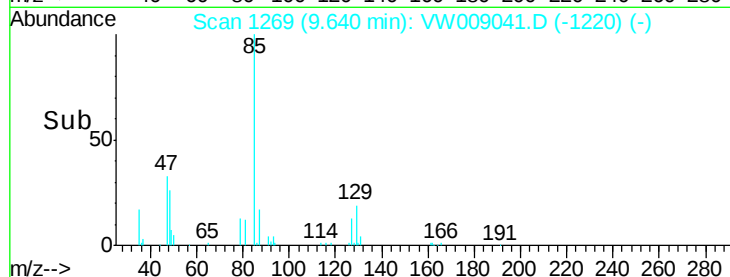
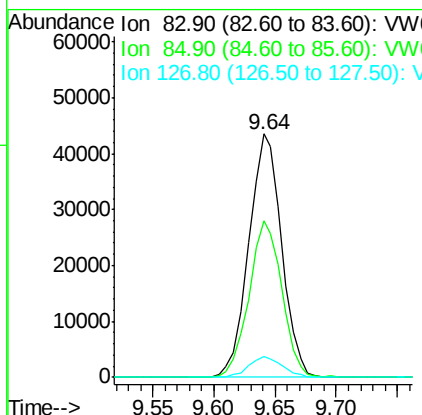
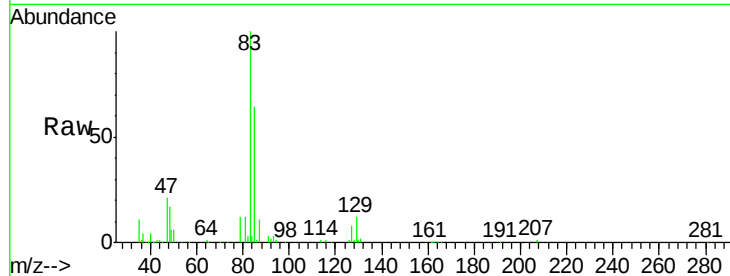
#47
Bromodichloromethane
Concen: 19.762 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW009041.D
Acq: 07 Mar 2019 15:57

Instrument :
MSVOA_W
ClientSampleId :
VW0307SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.3	49.9	74.9	
127	8.4	7.1	10.7	

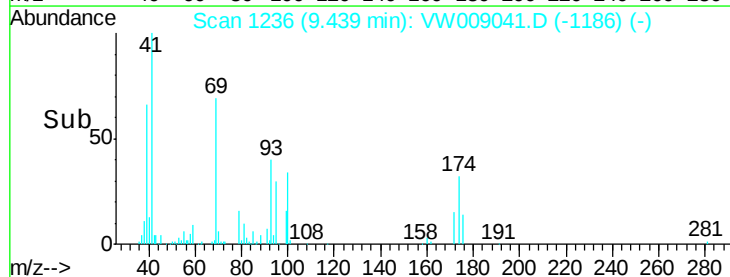
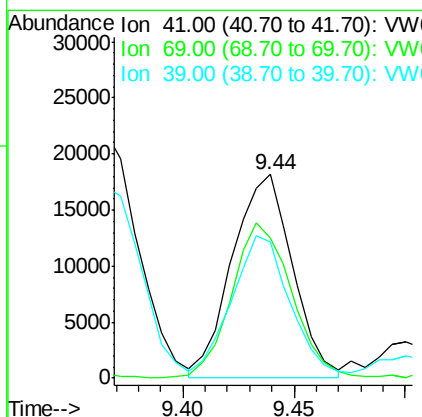
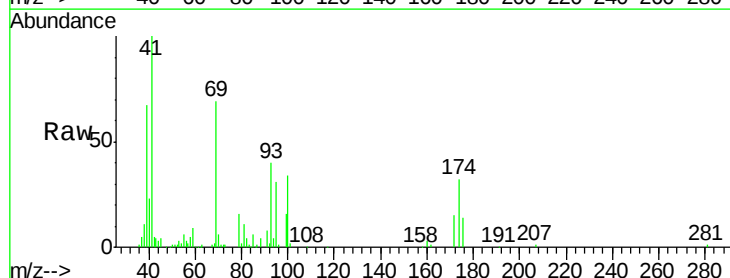
Manual Integrations
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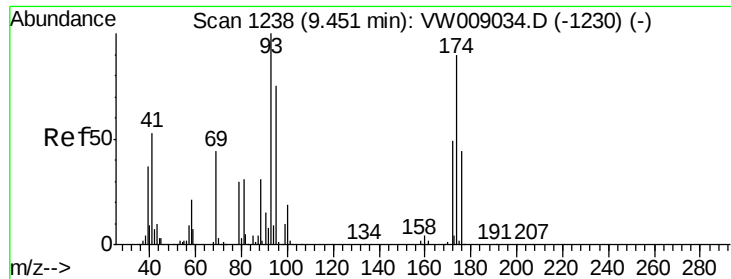
MMDadoda
3/8/2019 12:06:30 PM



#48
Methyl methacrylate
Concen: 18.665 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW009041.D
Acq: 07 Mar 2019 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	77.1	59.1	88.7	
39	64.2	48.9	73.3	





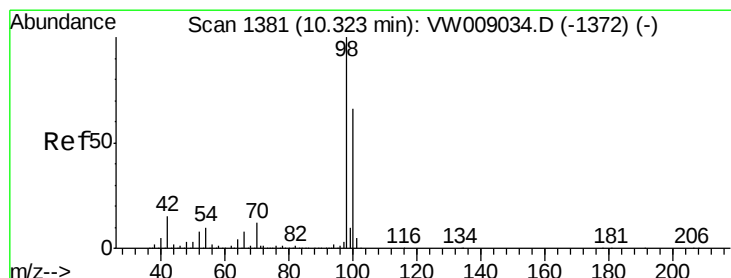
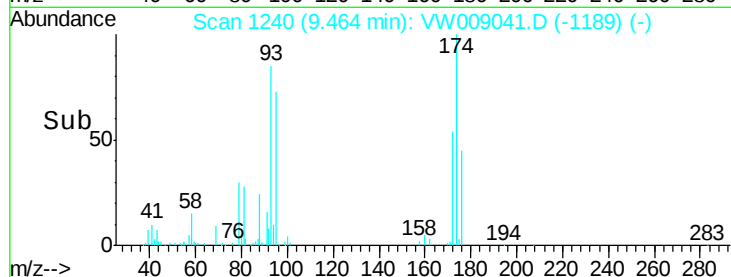
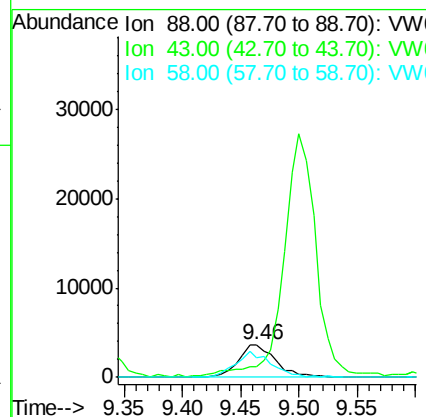
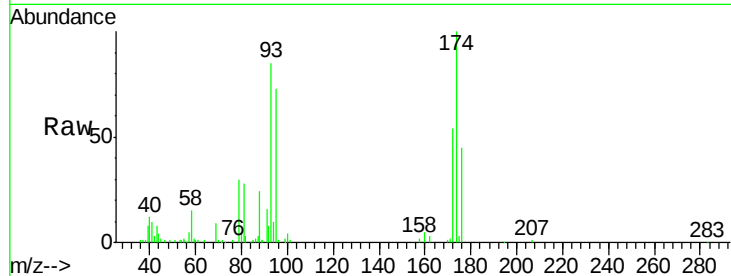
#49
1,4-Dioxane
Concen: 354.732 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.01 min
Lab File: VW009041.D
Acq: 07 Mar 2019 15:57

Instrument :
MSVOA_W
ClientSampleId :
VW0307SBS01

Tot Ion	88	Resp	8249
Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.0	43.4#
58	76.2	59.2	88.8

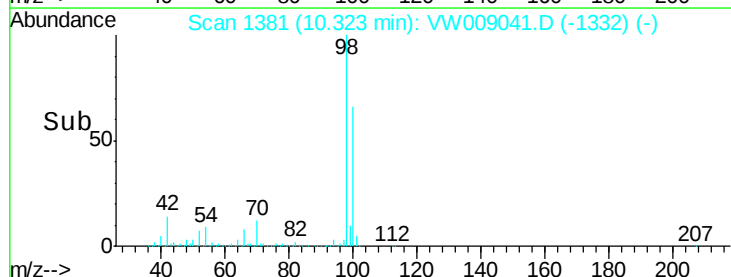
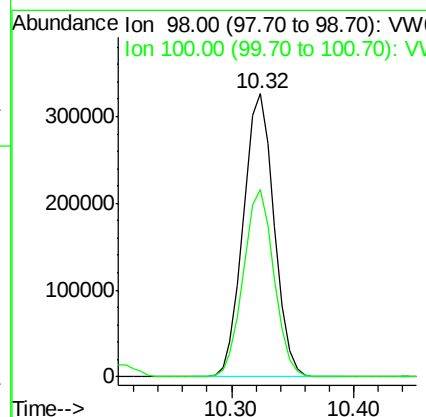
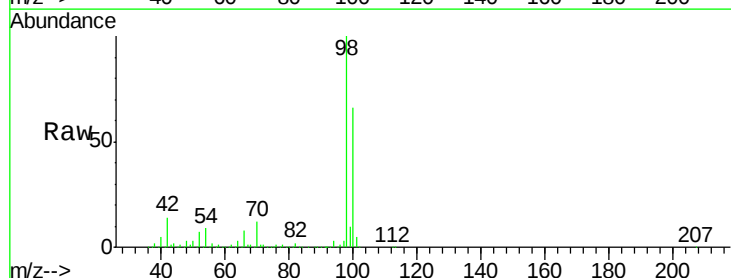
Manual Integrations
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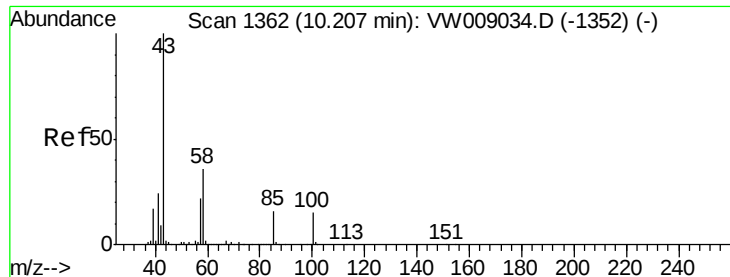
MMDadoda
3/8/2019 12:06:30 PM



#50
Toluene-d8
Concen: 54.244 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009041.D
Acq: 07 Mar 2019 15:57

Tgt Ion	98	Resp	570544
Ion	Ratio	Lower	Upper
98	100		
100	65.7	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 86.877 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Instrument :

MSVOA_W

ClientSampled :

VW0307SBS01

Tot Ion: 43 Resp: 171598

Ion Ratio Lower Upper

43 100

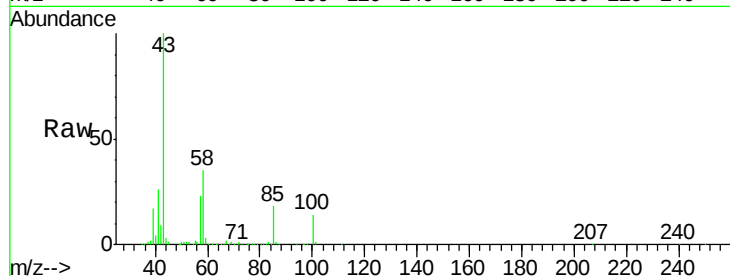
58 36.1 28.8 43.2

Manual Integrations

APPROVED

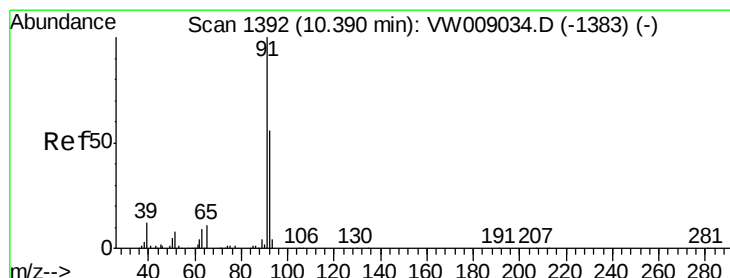
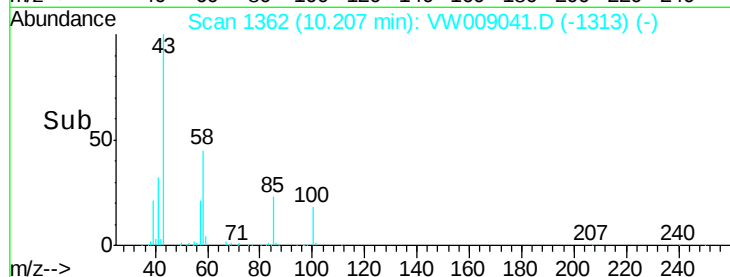
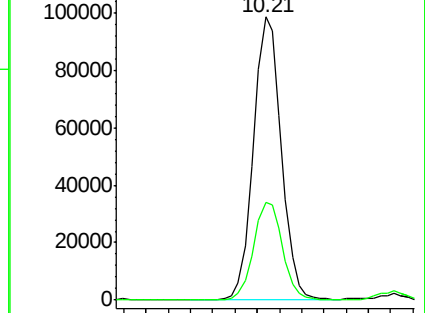
MMDadoda

3/8/2019 12:06:30 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 20.702 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW009041.D

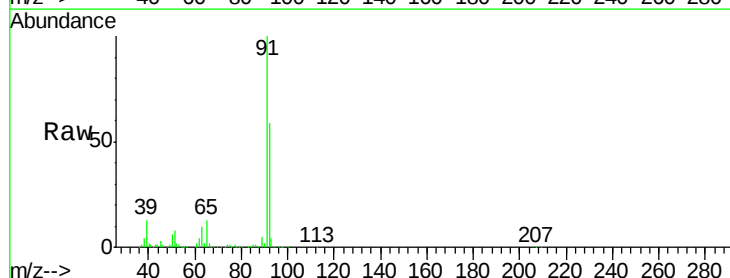
Acq: 07 Mar 2019 15:57

Tgt Ion: 92 Resp: 166682

Ion Ratio Lower Upper

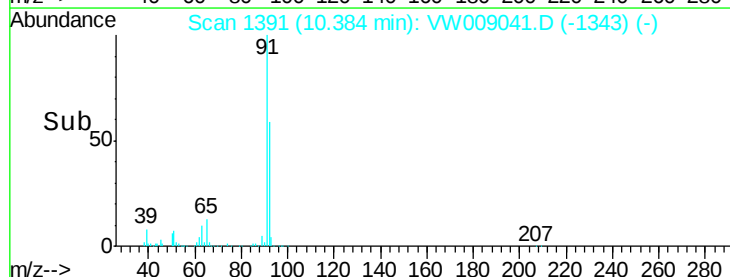
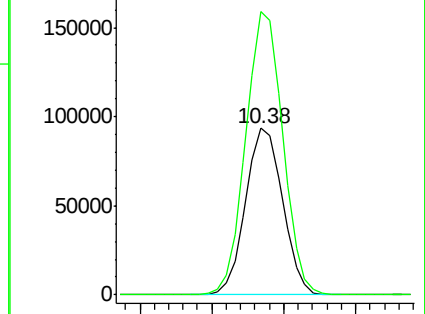
92 100

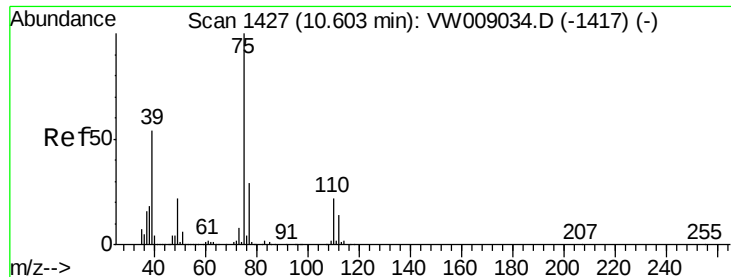
91 169.6 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





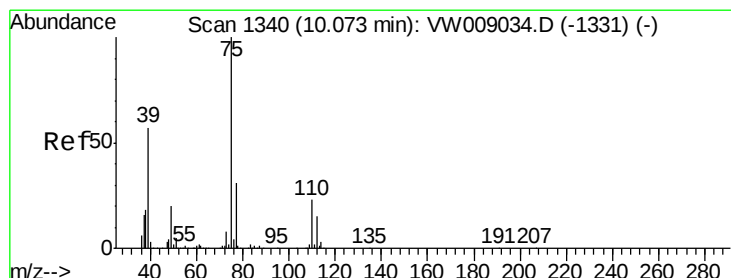
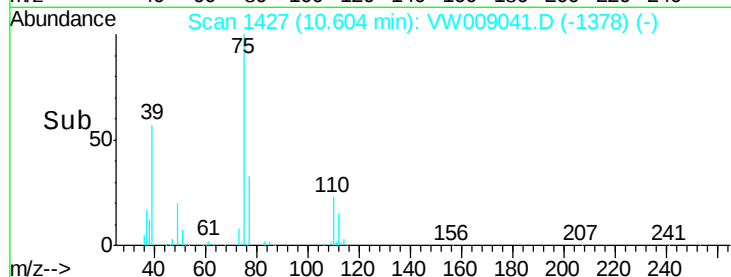
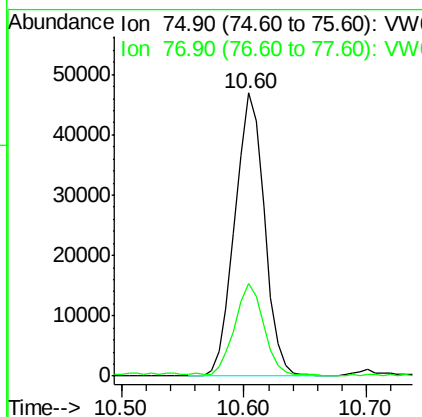
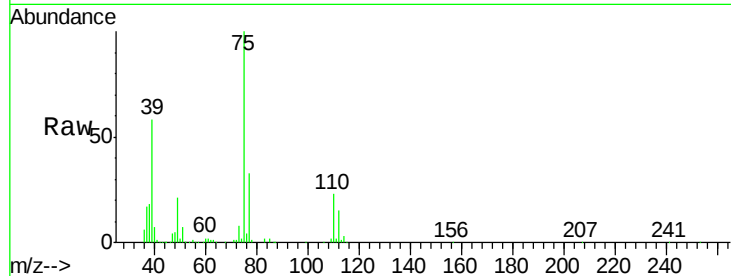
#53
t-1,3-Dichloropropene
Concen: 19.365 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW009041.D
Acq: 07 Mar 2019 15:57

Instrument :
MSVOA_W
ClientSampled :
VW0307SBS01

Tot Ion: 75 Resp: 78731
Ion Ratio Lower Upper
75 100
77 32.6 23.6 35.4

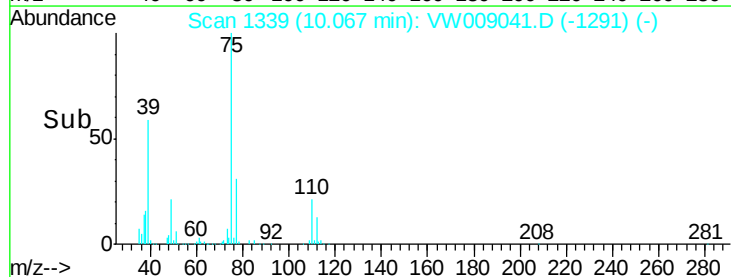
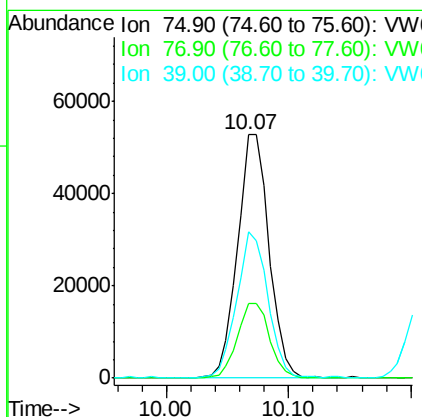
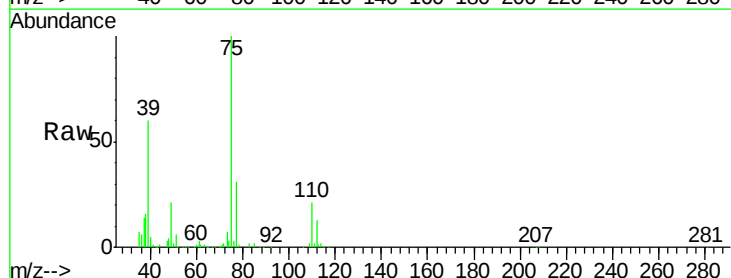
Manual Integrations
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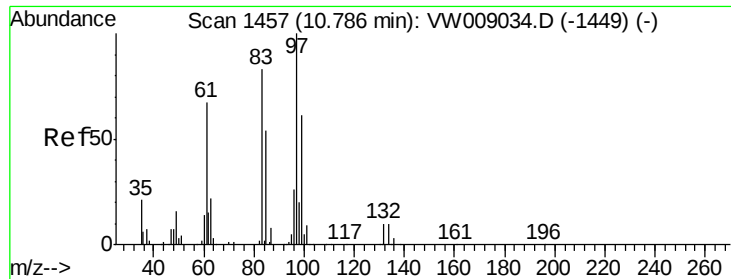
MMDadoda
3/8/2019 12:06:30 PM



#54
cis-1,3-Dichloropropene
Concen: 20.194 ug/l
RT: 10.07 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VW009041.D
Acq: 07 Mar 2019 15:57

Tgt Ion: 75 Resp: 94350
Ion Ratio Lower Upper
75 100
77 30.9 24.6 36.8
39 59.6 45.9 68.9





#55

1,1,2-Trichloroethane

Concen: 19.314 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Instrument :

MSVOA_W

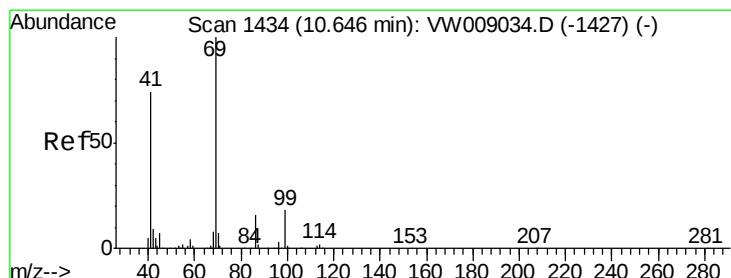
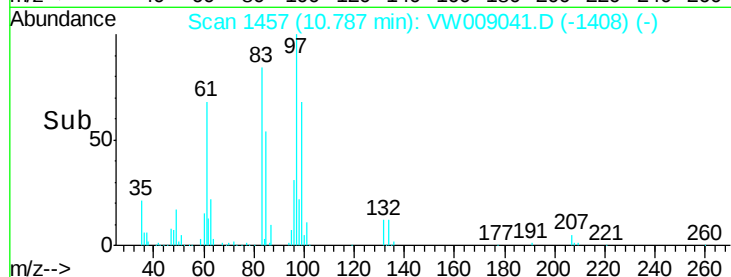
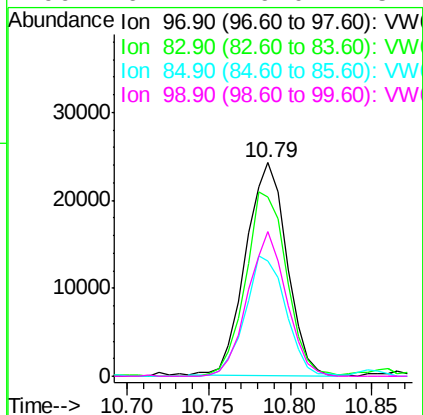
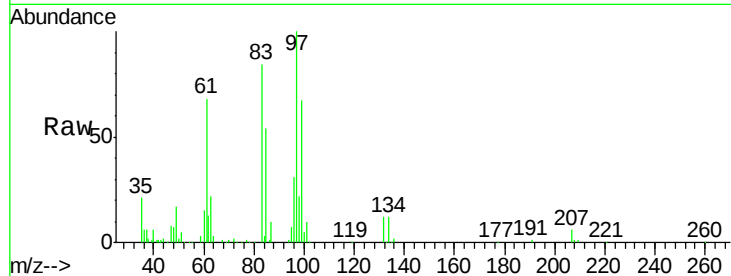
ClientSampleId :

VW0307SBS01

Tot Ion:	97	Resp:	42511
Ion	Ratio	Lower	Upper
97	100		
83	84.4	66.2	99.2
85	53.9	43.6	65.4
99	67.7	49.0	73.4

Manual Integrations
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#56

Ethyl methacrylate

Concen: 18.359 ug/l

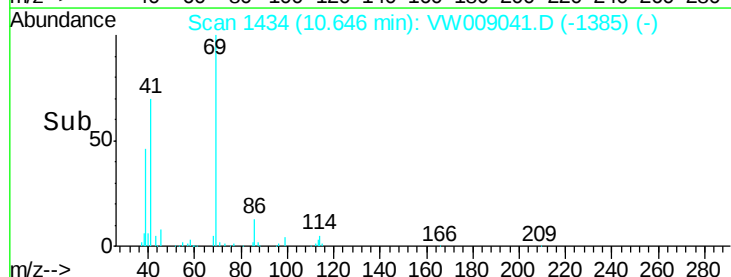
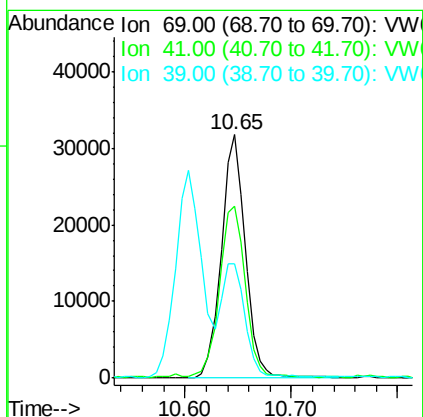
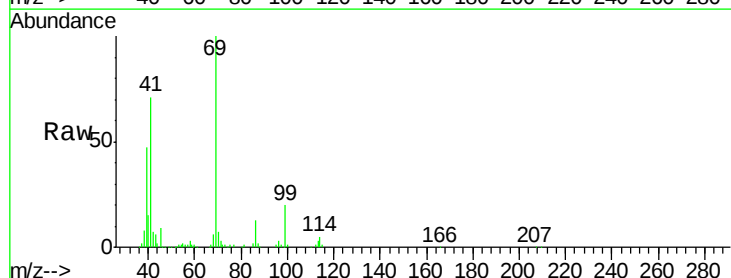
RT: 10.65 min Scan# 1434

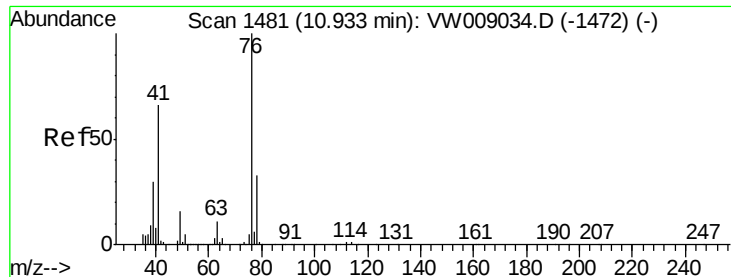
Delta R.T. 0.00 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Tgt Ion:	69	Resp:	50152
Ion	Ratio	Lower	Upper
69	100		
41	75.1	59.4	89.2
39	43.9	38.5	57.7





#57

1,3-Dichloropropane

Concen: 19.251 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Instrument :

MSVOA_W

ClientSampleId :

VW0307SBS01

Tot Ion: 76 Resp: 75062

Ion Ratio Lower Upper

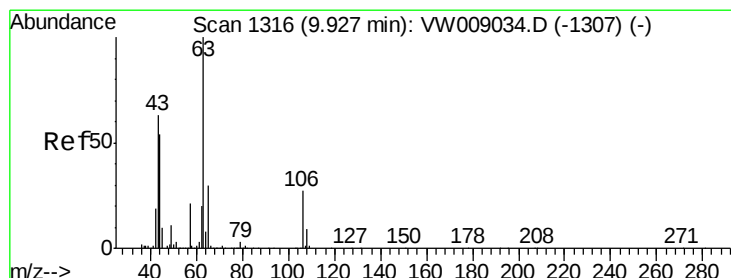
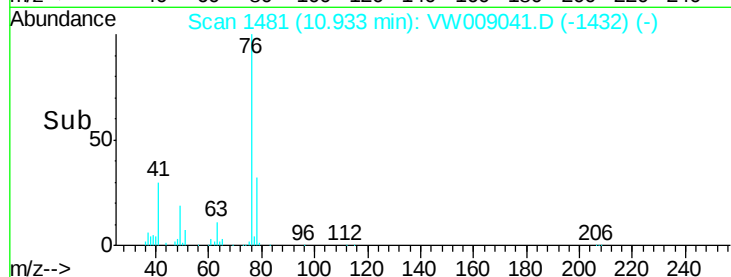
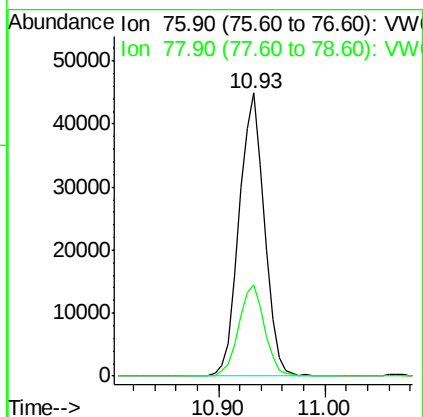
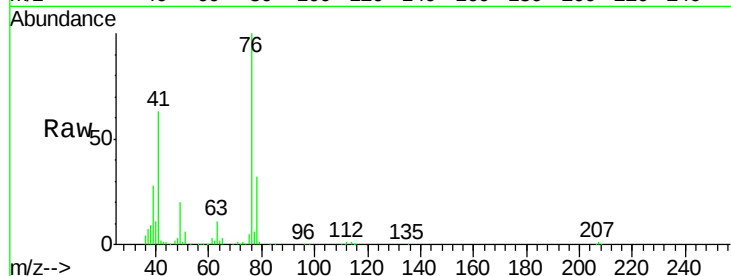
76 100

78 32.9 25.7 38.5

Manual Integrations
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MMDadoda

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#58

2-Chloroethyl Vinyl ether

Concen: 85.323 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW009041.D

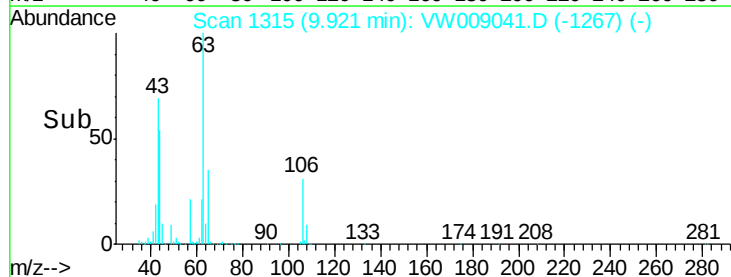
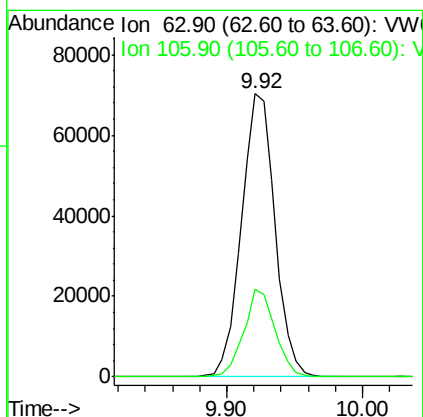
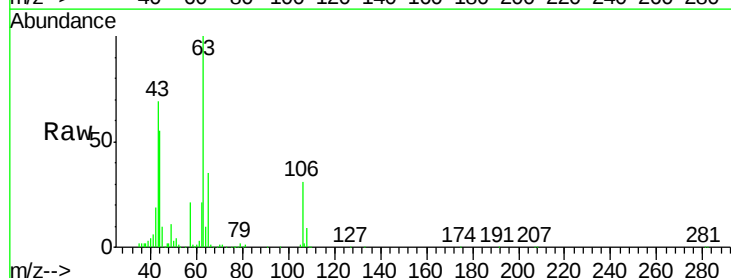
Acq: 07 Mar 2019 15:57

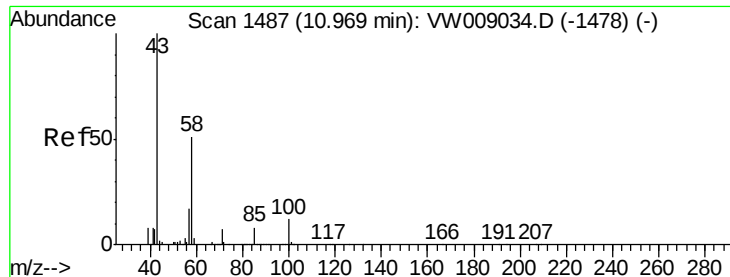
Tgt Ion: 63 Resp: 120828

Ion Ratio Lower Upper

63 100

106 29.0 23.0 34.6





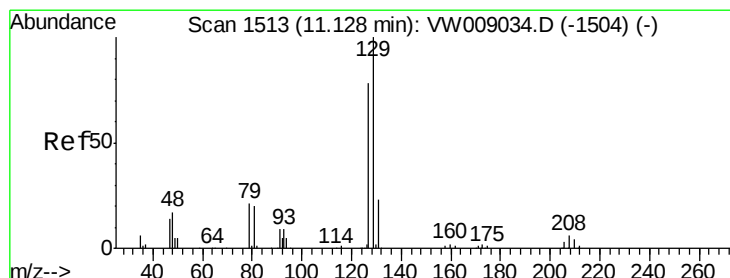
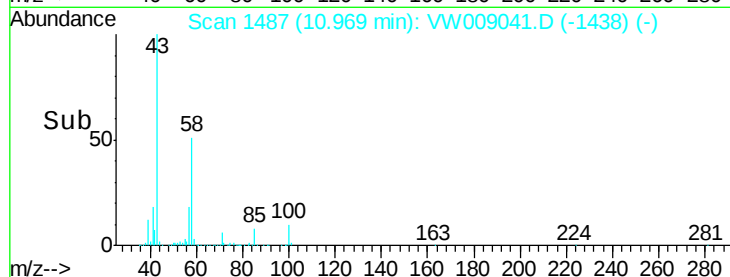
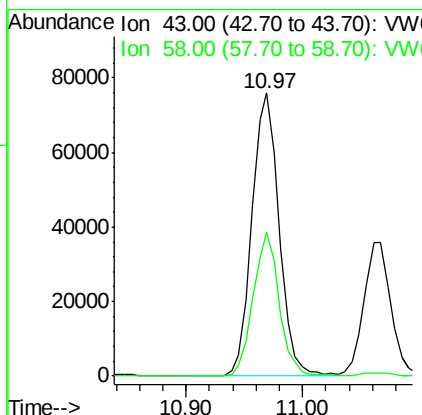
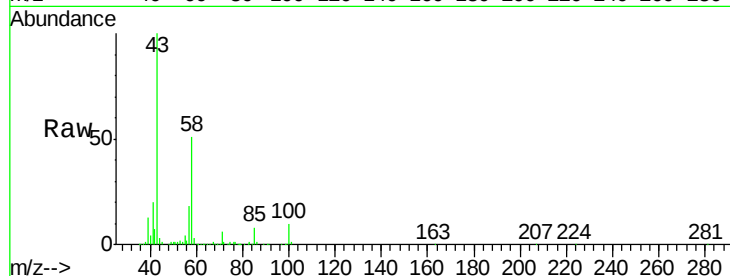
#59
2-Hexanone
Concen: 88.855 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009041.D
Acq: 07 Mar 2019 15:57

Instrument :
MSVOA_W
ClientSampled :
VW0307SBS01

Tot Ion: 43 Resp: 123395
Ion Ratio Lower Upper
43 100
58 49.1 25.3 75.9

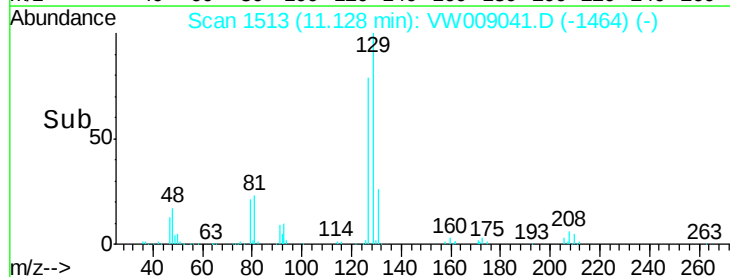
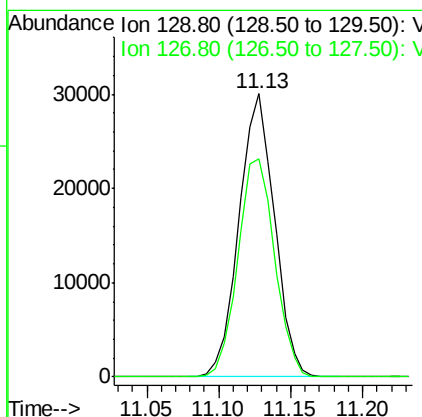
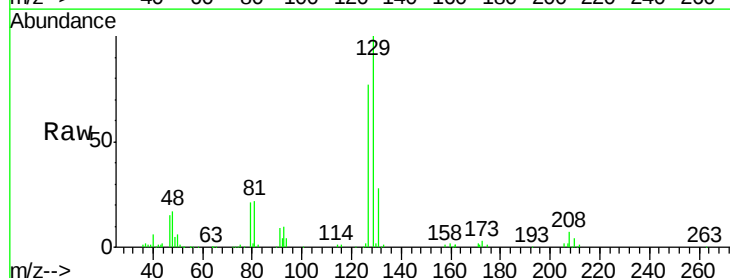
Manual Integrations
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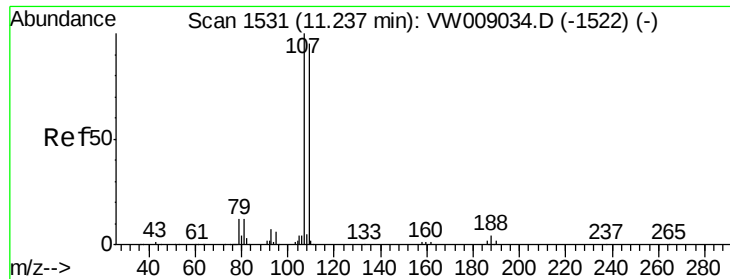
MMDadoda
3/8/2019 12:06:30 PM



#60
Dibromochloromethane
Concen: 18.848 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009041.D
Acq: 07 Mar 2019 15:57

Tgt Ion: 129 Resp: 51340
Ion Ratio Lower Upper
129 100
127 80.0 38.4 115.1





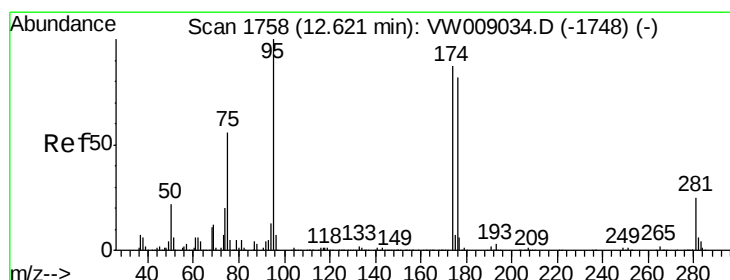
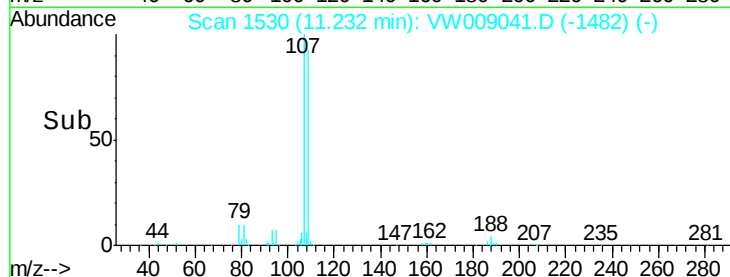
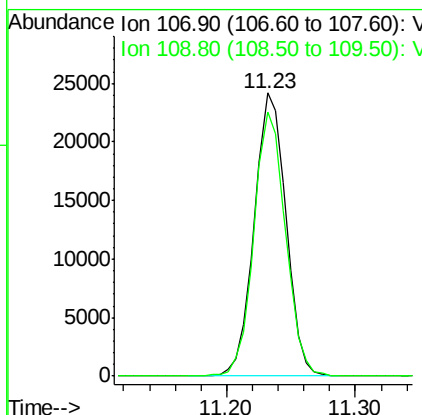
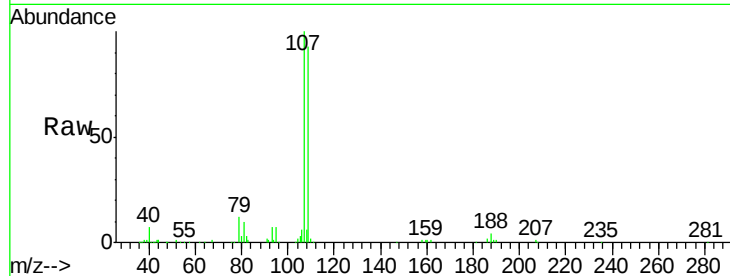
#61
 1,2-Dibromoethane
 Concen: 19.053 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW009041.D
 Acq: 07 Mar 2019 15:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0307SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	74.7	112.1

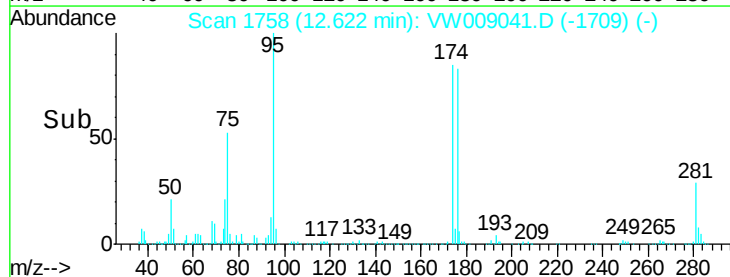
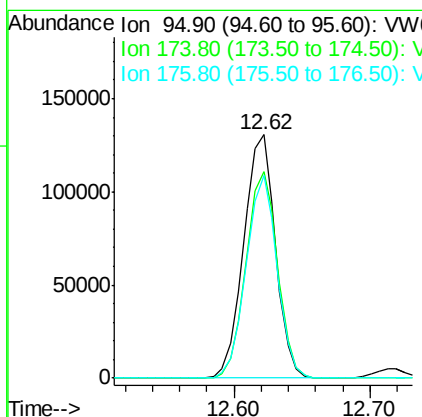
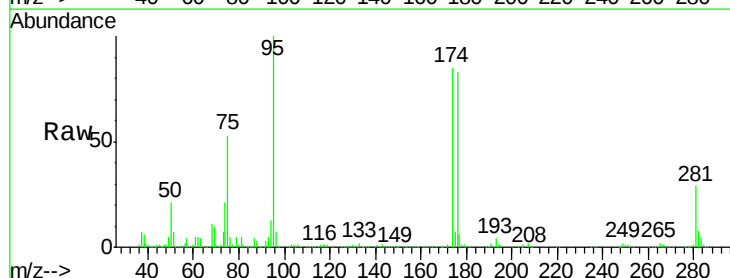
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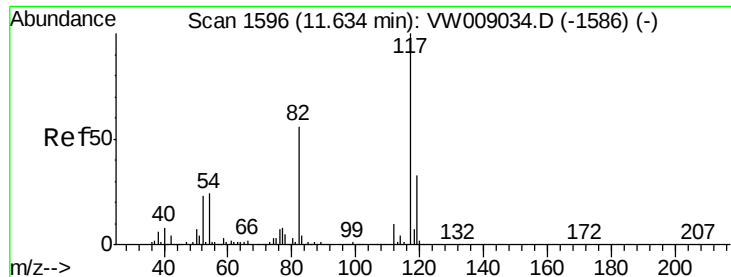
MMDadoda
 3/8/2019 12:06:30 PM



#62
 4-Bromofluorobenzene
 Concen: 51.388 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW009041.D
 Acq: 07 Mar 2019 15:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.8	0.0	167.0
176	81.4	0.0	159.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Instrument :

MSVOA_W

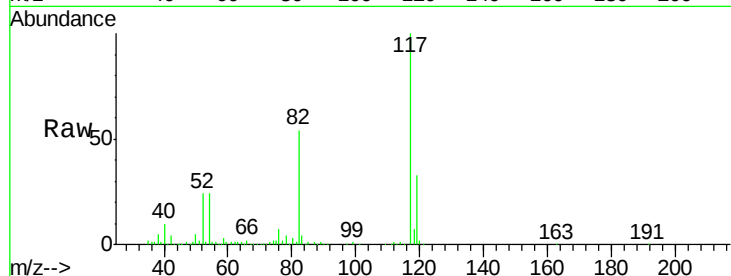
ClientSampleId :

VW0307SBS01

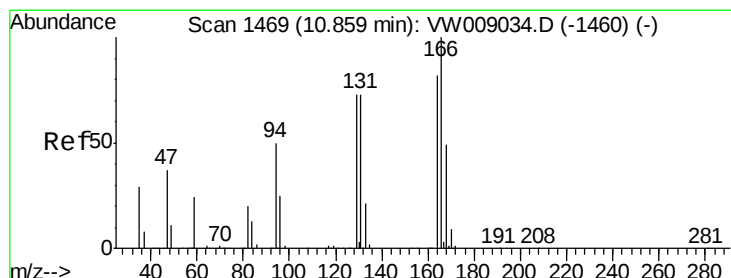
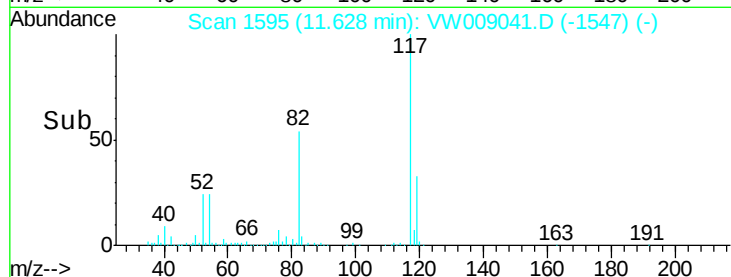
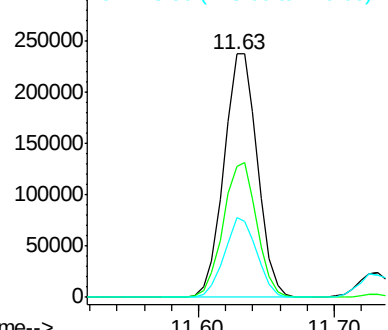
Tot Ion:	117	Resp:	410731
Ion Ratio	Lower	Upper	
117	100		
82	53.6	45.0	67.6
119	32.8	26.6	39.8

Manual Integrations
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Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.265 ug/l

RT: 10.86 min Scan# 1469

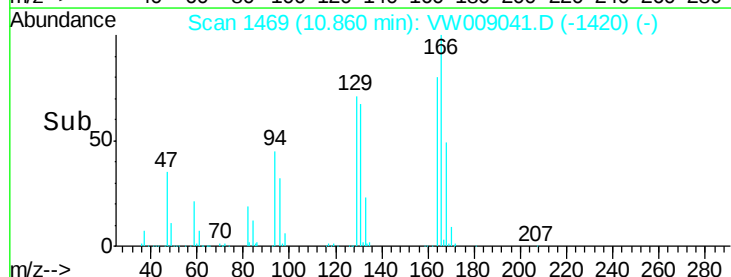
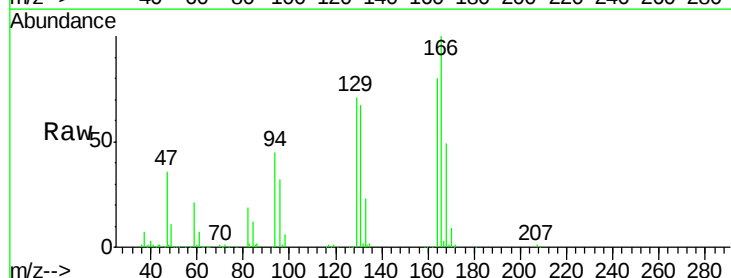
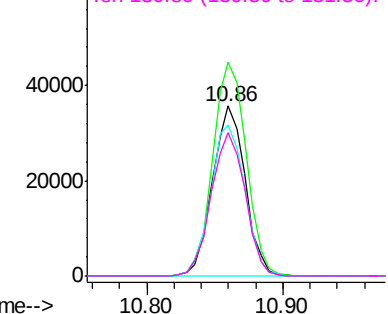
Delta R.T. 0.00 min

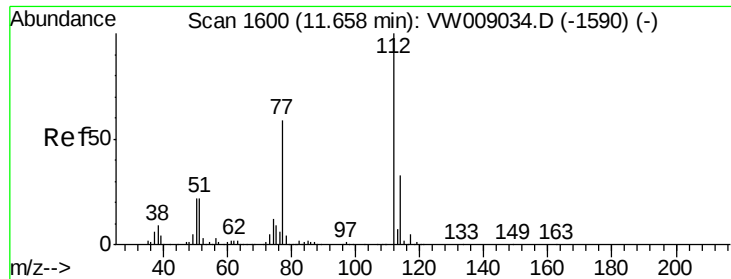
Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Tgt Ion:	164	Resp:	60025
Ion Ratio	Lower	Upper	
164	100		
166	125.8	97.8	146.6
129	89.2	71.6	107.4
131	84.7	71.4	107.0

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





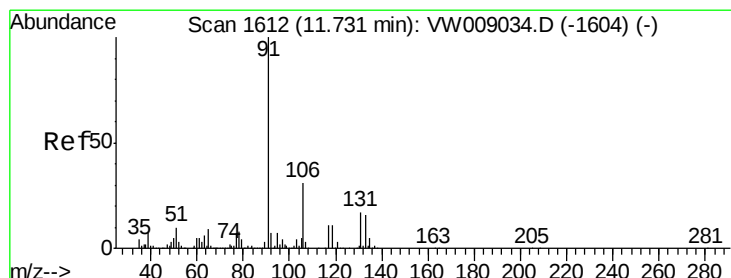
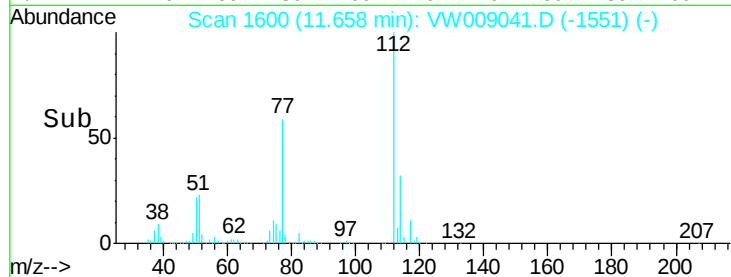
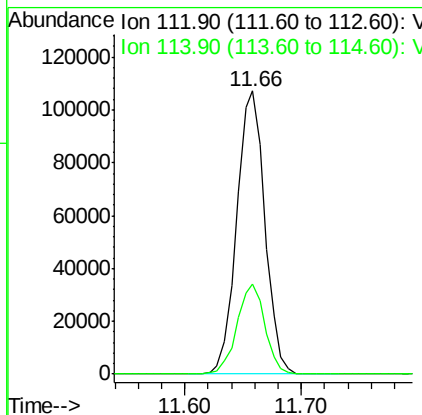
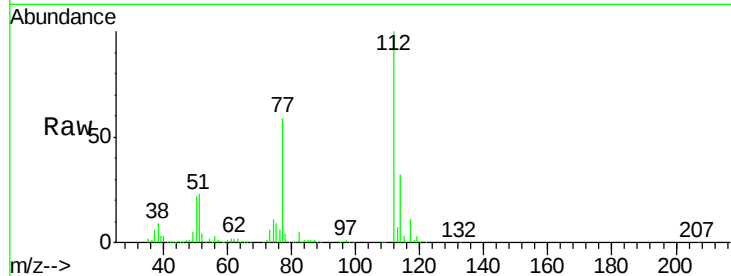
#65
Chlorobenzene
Concen: 20.151 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009041.D
Acq: 07 Mar 2019 15:57

Instrument :
MSVOA_W
ClientSampleId :
VW0307SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	26.6	40.0

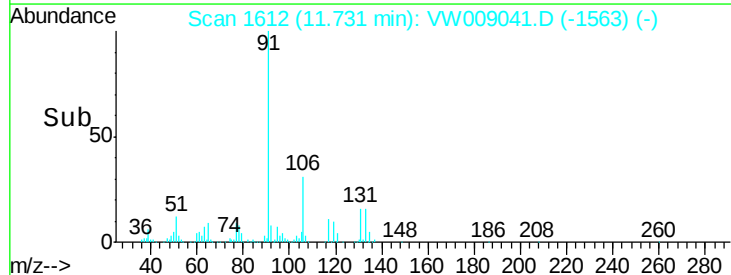
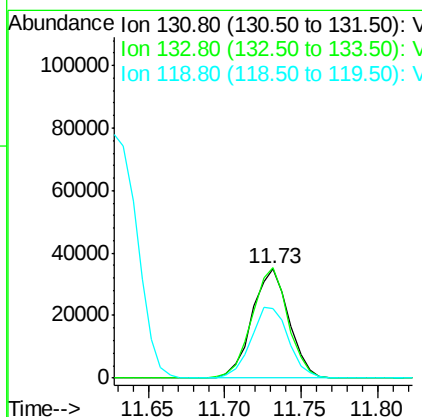
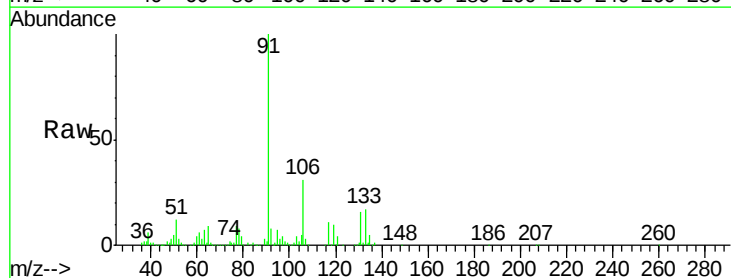
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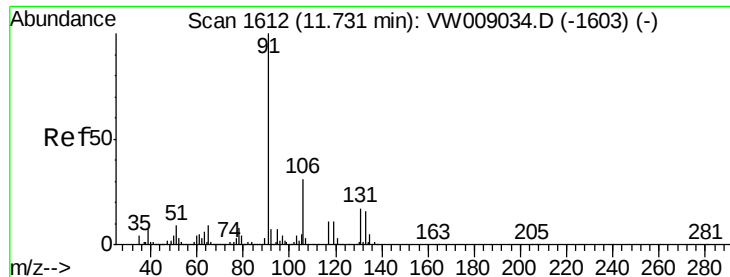
MMDadoda
3/8/2019 12:06:30 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.561 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009041.D
Acq: 07 Mar 2019 15:57

Tgt Ion	Ratio	Lower	Upper
131	100		
133	99.2	47.6	142.8
119	66.2	31.3	93.8





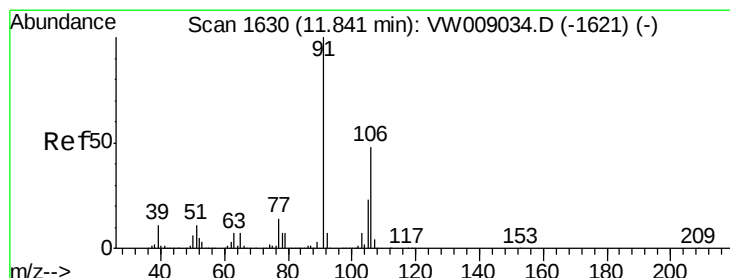
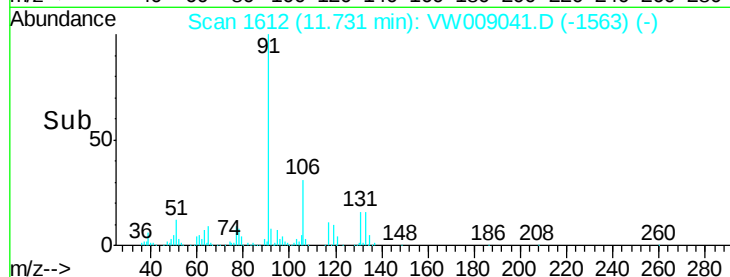
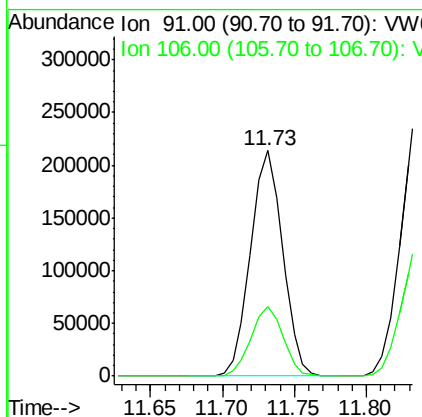
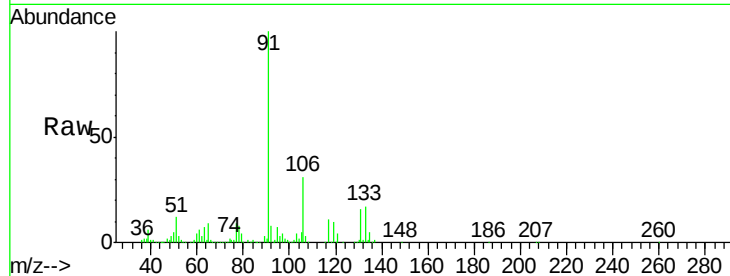
#67
Ethyl Benzene
Concen: 20.455 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009041.D
Acq: 07 Mar 2019 15:57

Instrument :
MSVOA_W
ClientSampleId :
VW0307SBS01

Tot Ion	91	Resp	330368
Ion Ratio	100	Lower	Upper
106	31.0	25.0	37.4

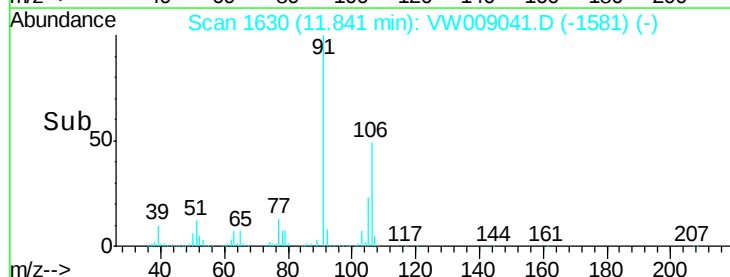
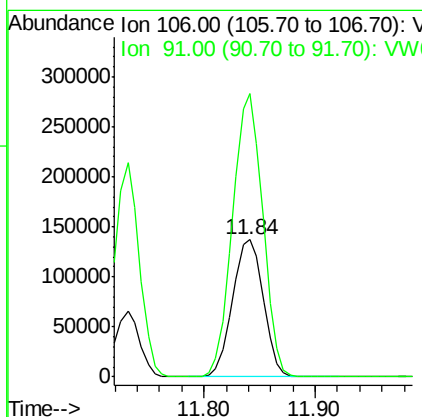
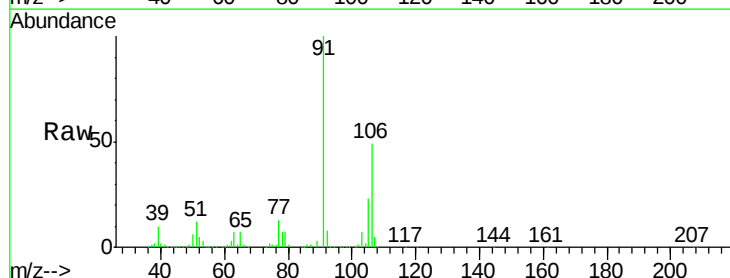
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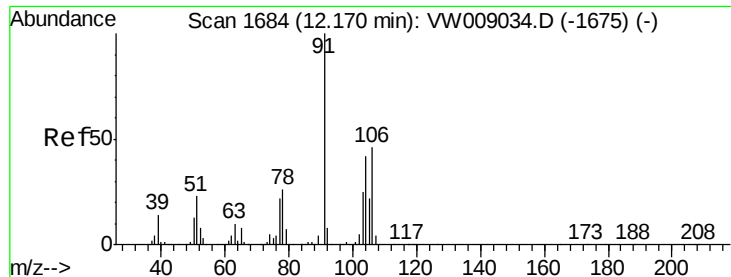
MMDadoda
3/8/2019 12:06:30 PM



#68
m/p-Xylenes
Concen: 41.223 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009041.D
Acq: 07 Mar 2019 15:57

Tgt Ion	106	Resp	262793
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	202.2	163.2	244.8





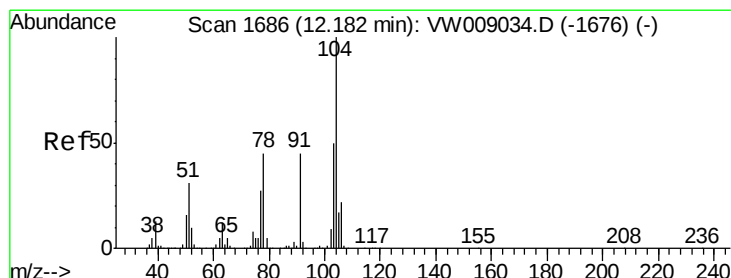
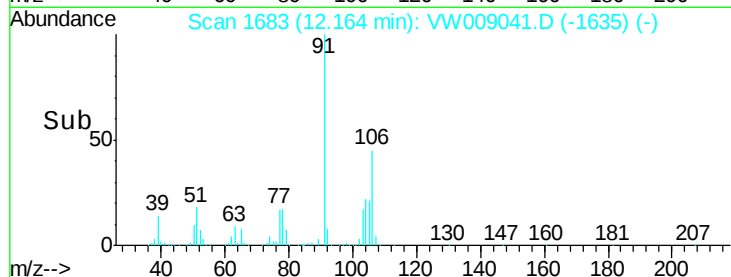
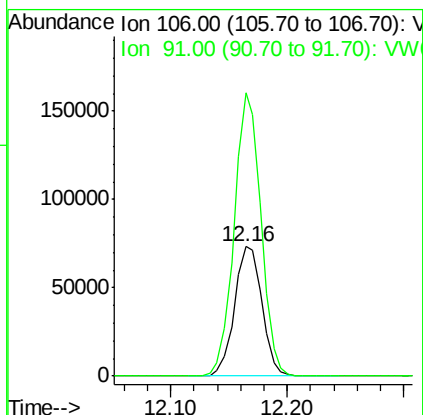
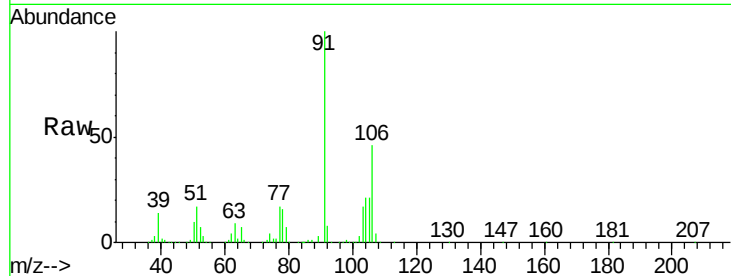
#69
o-Xylene
Concen: 20.378 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009041.D
Acq: 07 Mar 2019 15:57

Instrument :
MSVOA_W
ClientSampleId :
VW0307SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		120870		
91	212.1	108.6	325.6		

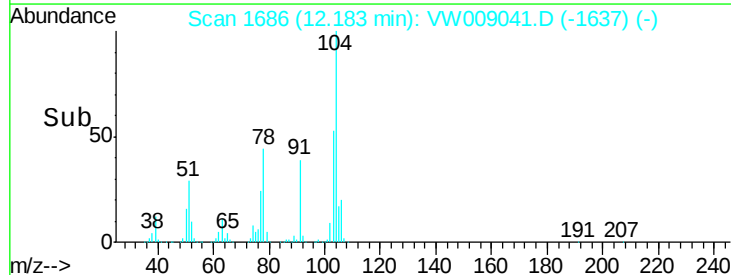
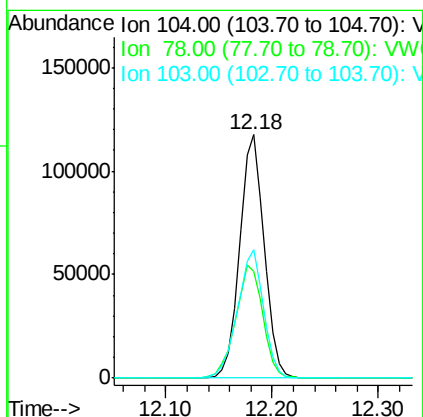
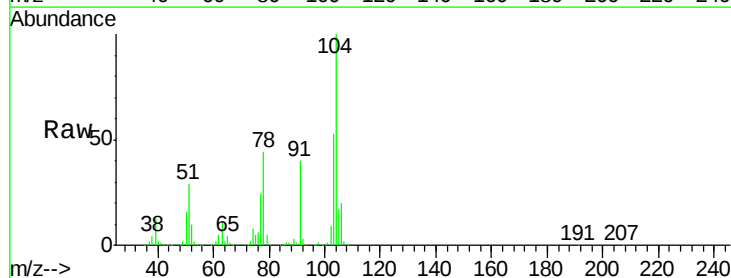
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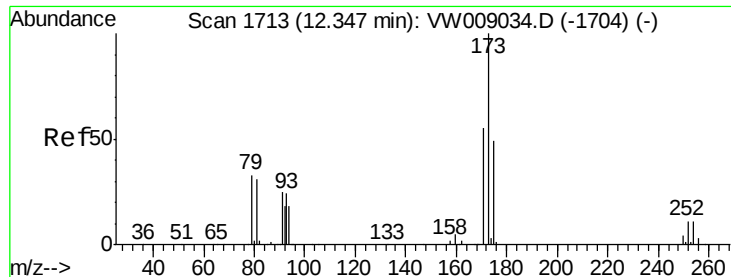
MMDadoda
3/8/2019 12:06:30 PM



#70
Styrene
Concen: 19.846 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009041.D
Acq: 07 Mar 2019 15:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		190464		
78	51.1	42.1	63.1		
103	56.0	43.9	65.9		





#71

Bromoform

Concen: 18.237 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Instrument :

MSVOA_W

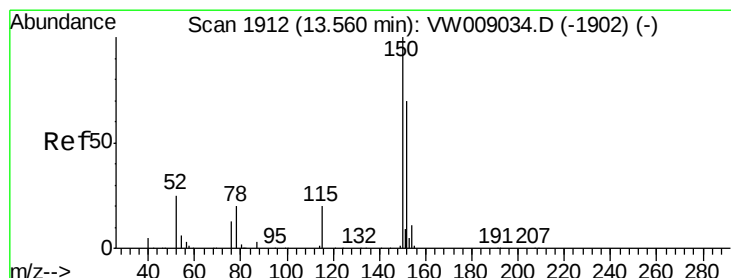
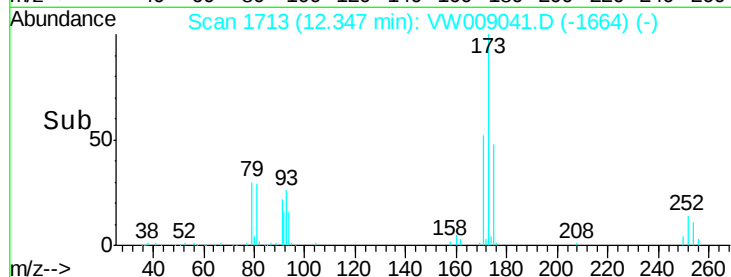
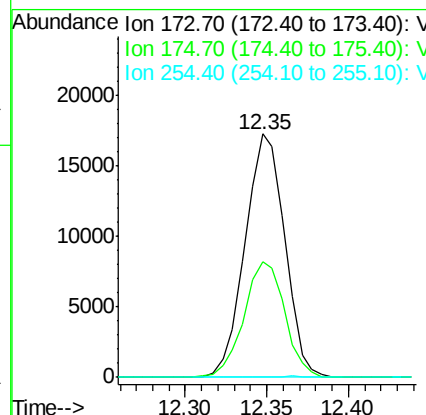
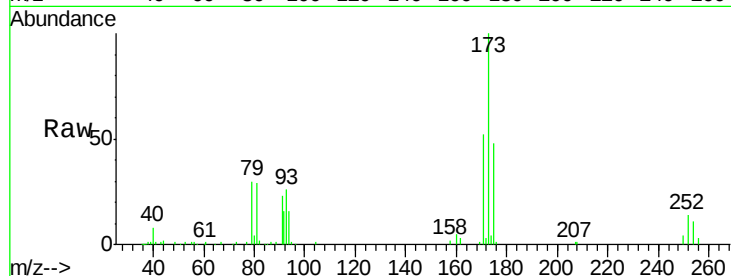
ClientSampled :

VW0307SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.6	74.0
254	0.3	0.0	0.0#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

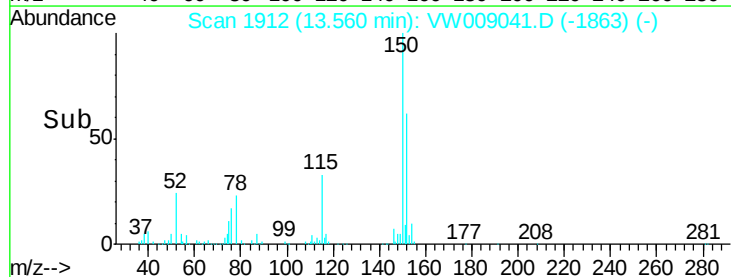
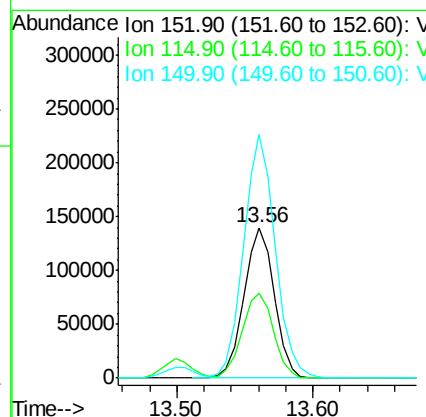
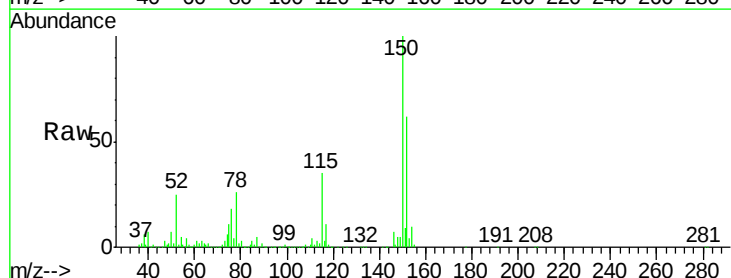
RT: 13.56 min Scan# 1912

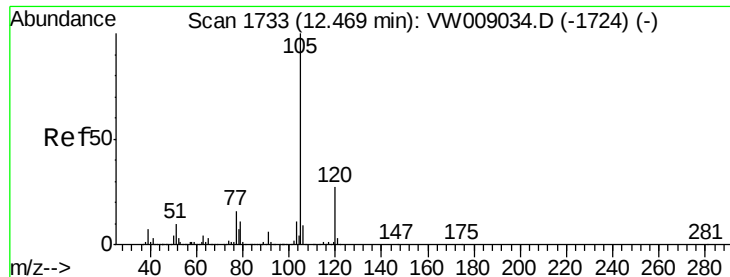
Delta R.T. 0.00 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.4	28.9	86.7
150	168.3	0.0	349.2





#73

Isopropylbenzene

Concen: 21.334 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Instrument :

MSVOA_W

ClientSampled :

VW0307SBS01

Tot Ion: 105 Resp: 331726

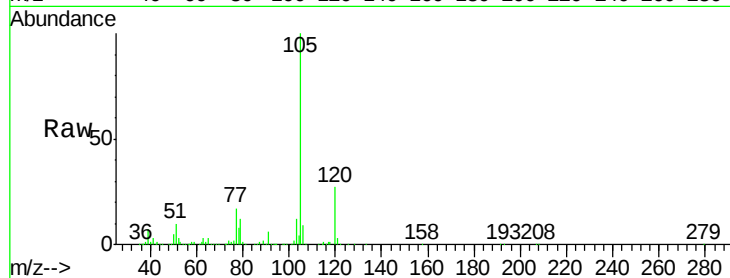
Ion Ratio Lower Upper

105 100

120 27.3 13.2 39.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

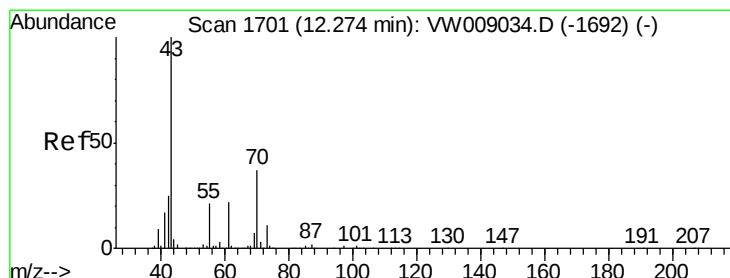
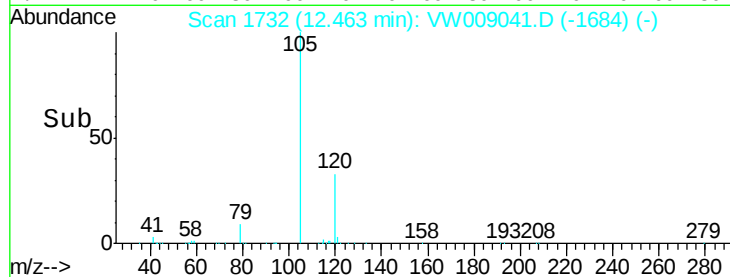
0

12.40

12.46

12.50

Time-->



#74

N-ethyl acetate

Concen: 18.493 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Tgt Ion: 43 Resp: 68073

Ion Ratio Lower Upper

43 100

70 38.8 30.8 46.2

55 24.7 17.8 26.8

61 21.5 17.4 26.2

Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

60000

40000

20000

0

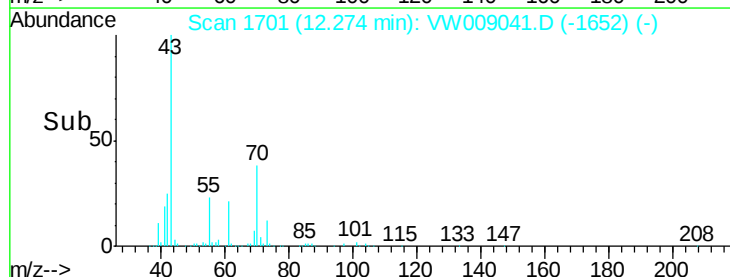
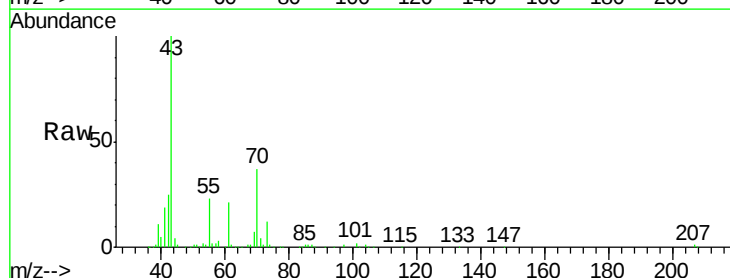
12.20

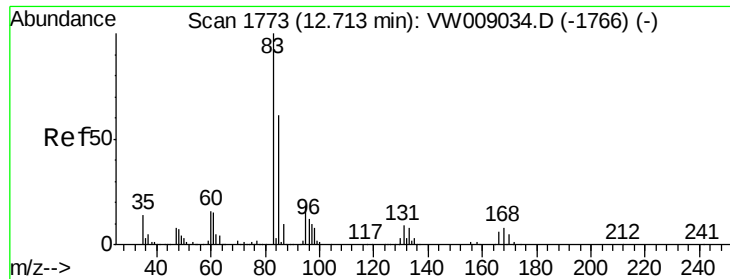
12.27

12.30

12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.590 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Instrument :

MSVOA_W

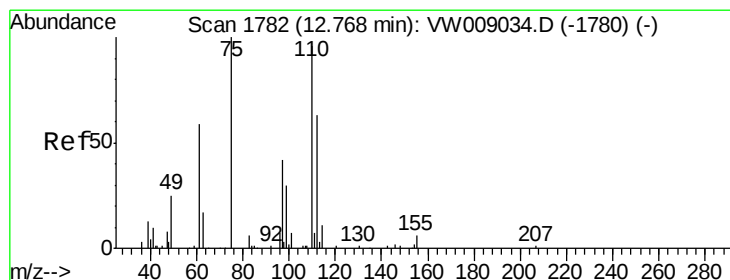
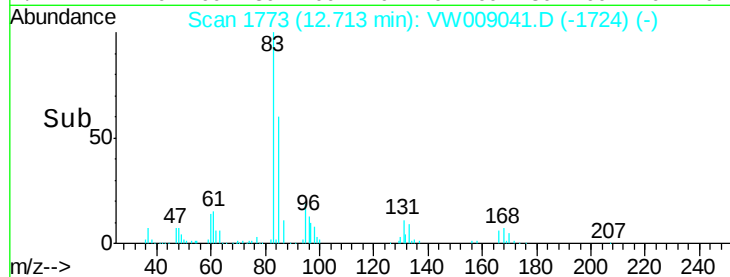
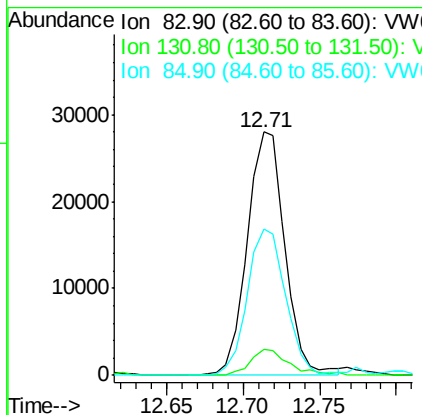
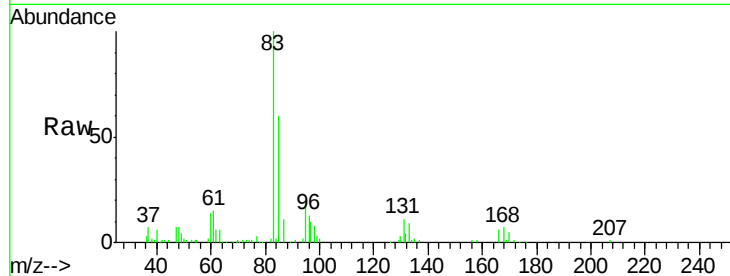
ClientSampleId :

VW0307SBS01

Tot Ion:	83	Resp:	48049
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.5	16.7
85	61.1	31.7	95.1

Manual Integrations
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3/8/2019 12:06:30 PM



#76

1,2,3-Trichloropropane

Concen: 19.553 ug/l m

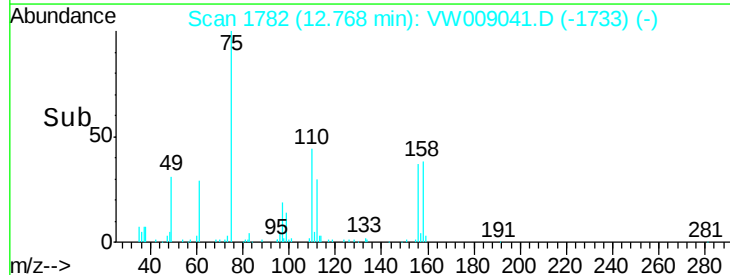
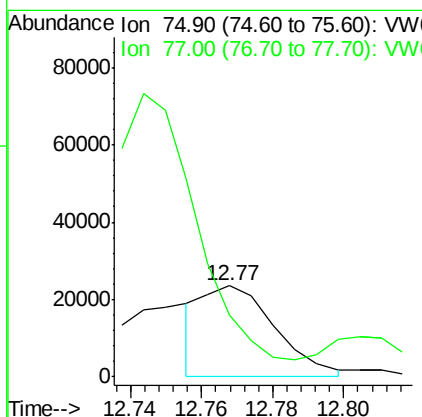
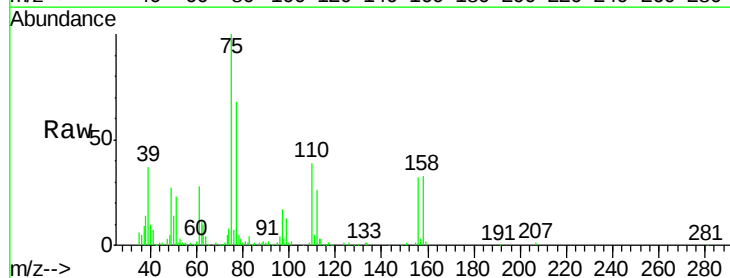
RT: 12.77 min Scan# 1782

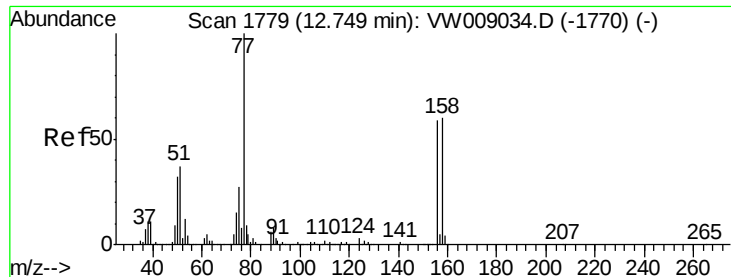
Delta R.T. 0.00 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Tgt Ion:	75	Resp:	33543
Ion Ratio	Lower	Upper	
75	100		
77	0.0	186.7	560.0#





#77

Bromobenzene

Concen: 21.442 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Instrument :

MSVOA_W

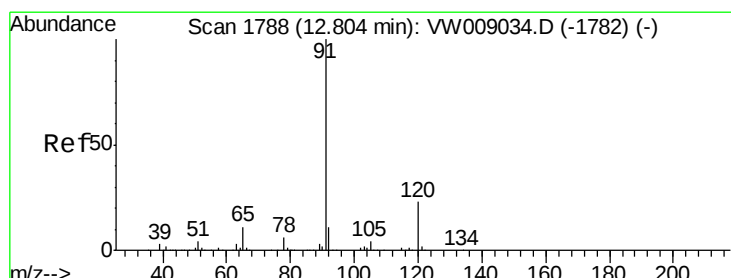
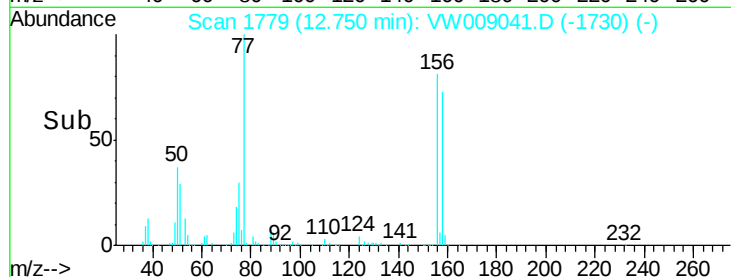
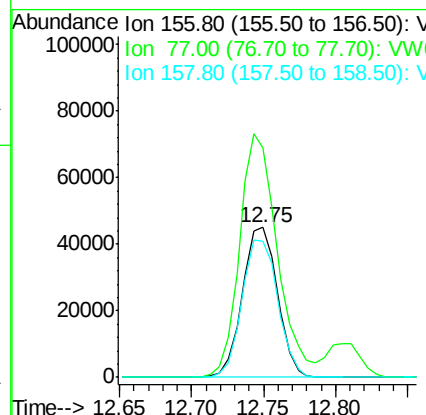
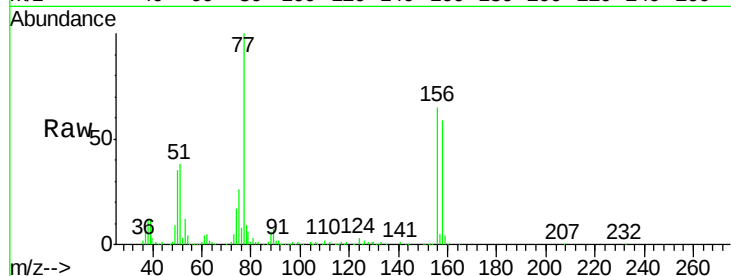
ClientSampled :

VW0307SBS01

Tot Ion:	156	Resp:	76178
Ion Ratio	Lower	Upper	
156	100		
77	175.0	93.0	279.2
158	94.0	50.0	149.8

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#78

n-propylbenzene

Concen: 21.576 ug/l

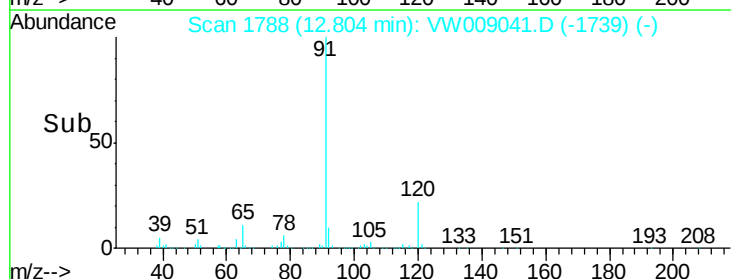
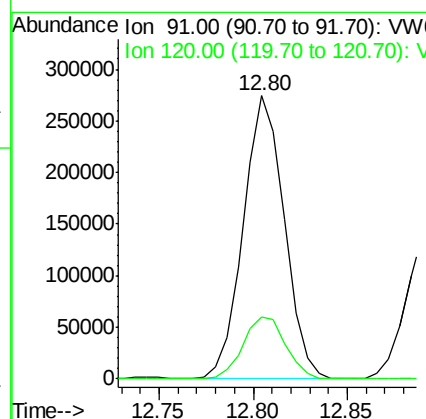
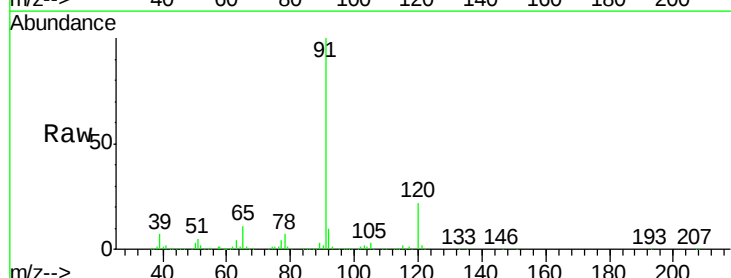
RT: 12.80 min Scan# 1788

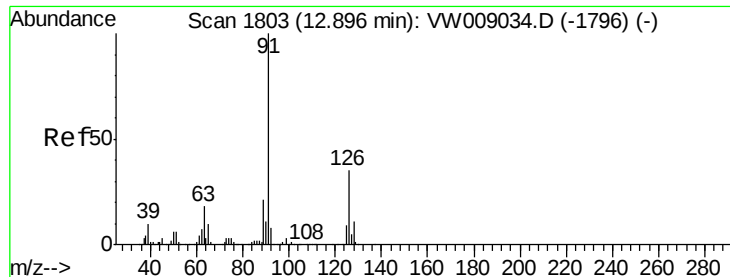
Delta R.T. 0.00 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Tgt Ion:	91	Resp:	413235
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.4	34.2





#79

2-Chlorotoluene

Concen: 21.166 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Instrument :

MSVOA_W

ClientSampled :

VW0307SBS01

Tot Ion: 91 Resp: 227764

Ion Ratio Lower Upper

91 100

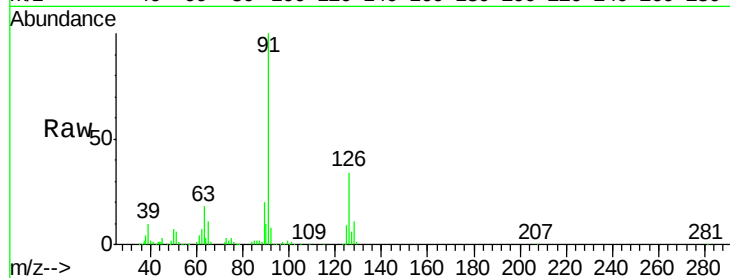
126 34.6 16.8 50.4

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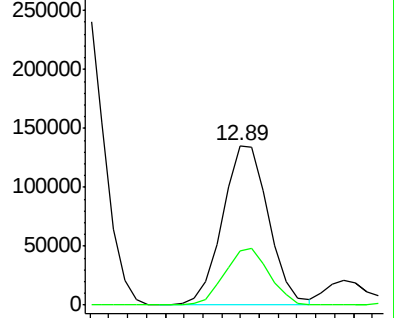
MMDadoda

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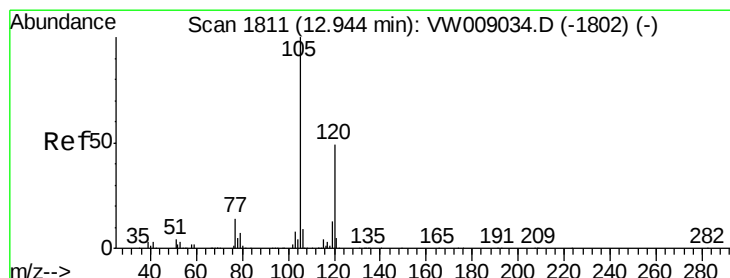
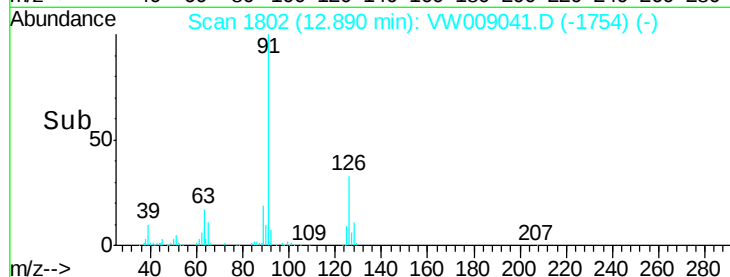


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.297 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009041.D

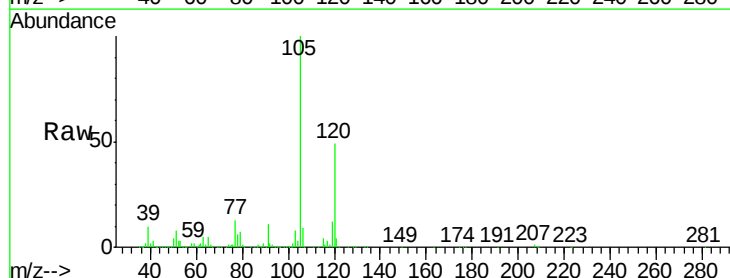
Acq: 07 Mar 2019 15:57

Tgt Ion:105 Resp: 285449

Ion Ratio Lower Upper

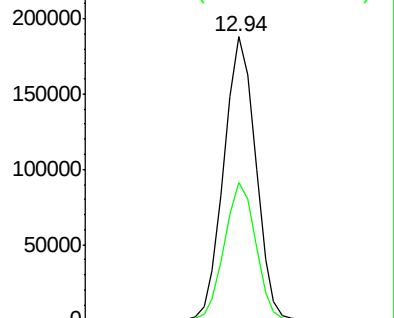
105 100

120 48.0 24.4 73.2

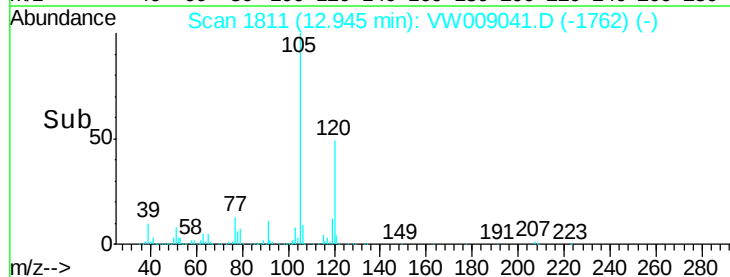


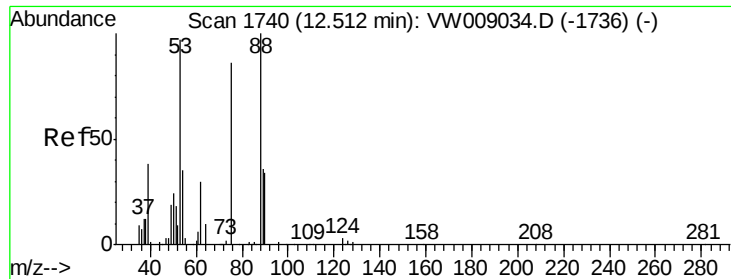
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.144 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Instrument :

MSVOA_W

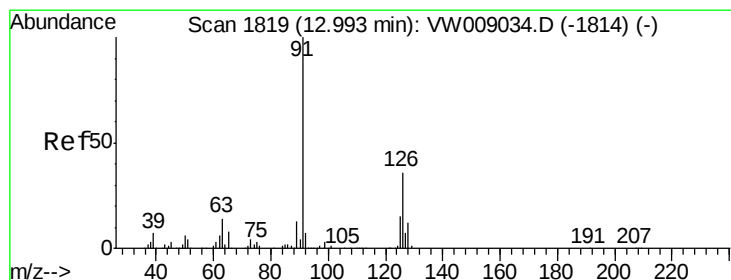
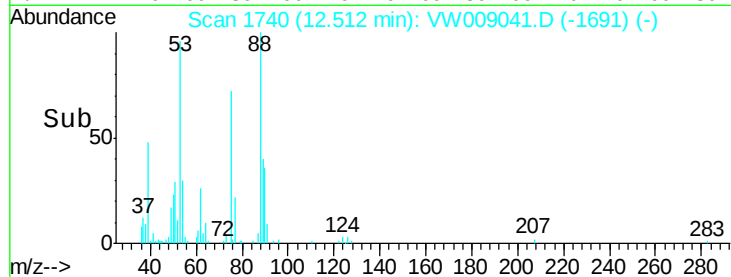
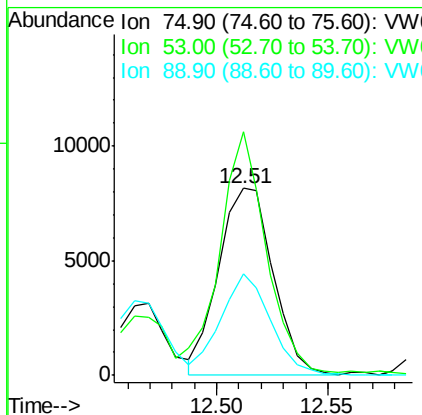
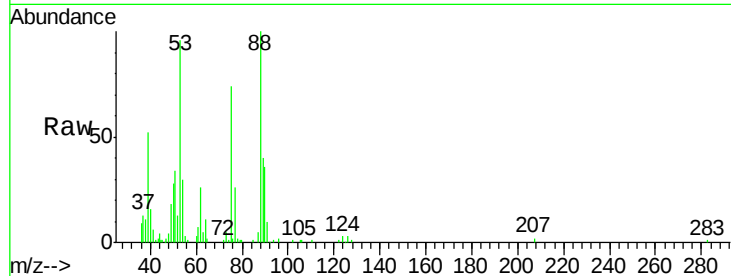
ClientSampled :

VW0307SBS01

Tot Ion:	75	Resp:	13916
Ion	Ratio	Lower	Upper
75	100		
53	114.5	90.5	135.7
89	49.7	37.5	56.3

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#82

4-Chlorotoluene

Concen: 20.959 ug/l

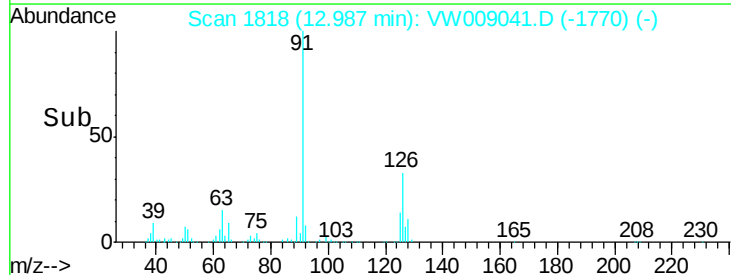
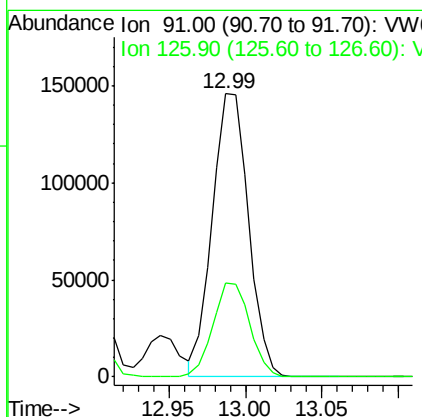
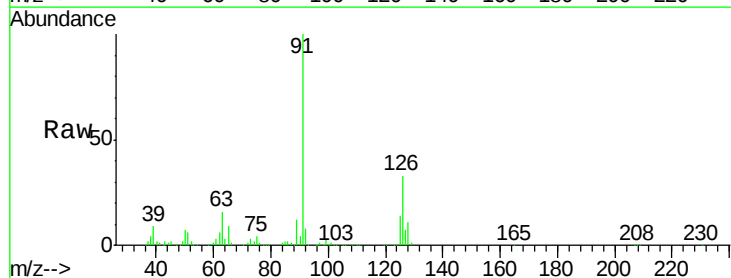
RT: 12.99 min Scan# 1818

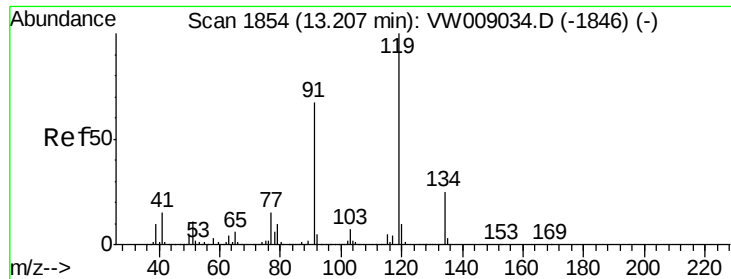
Delta R.T. -0.01 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Tgt Ion:	91	Resp:	240406
Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.6	49.8





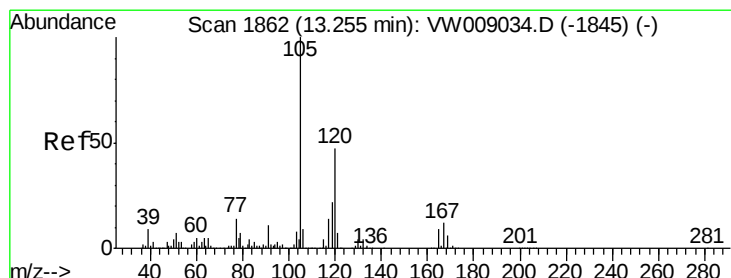
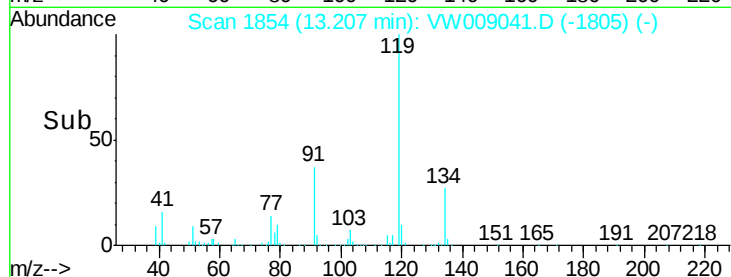
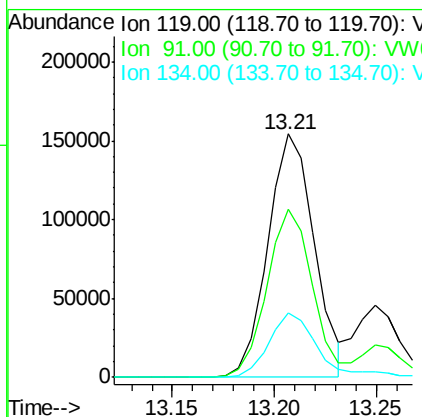
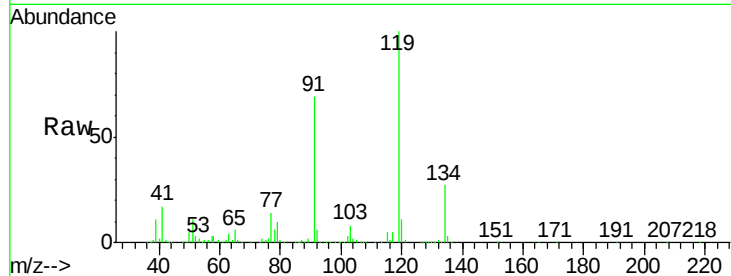
#83
tert-Butylbenzene
Concen: 21.623 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW009041.D
Acq: 07 Mar 2019 15:57

Instrument :
MSVOA_W
ClientSampleId :
VW0307SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.4	34.2	102.5
134	28.1	13.9	41.6

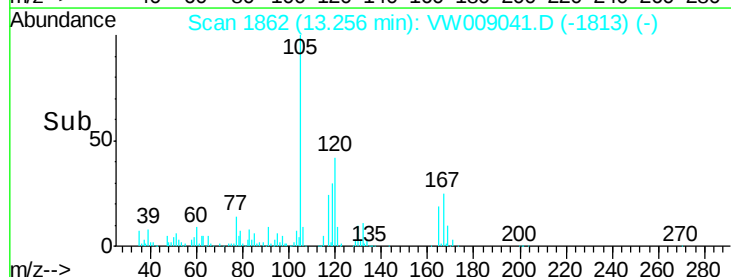
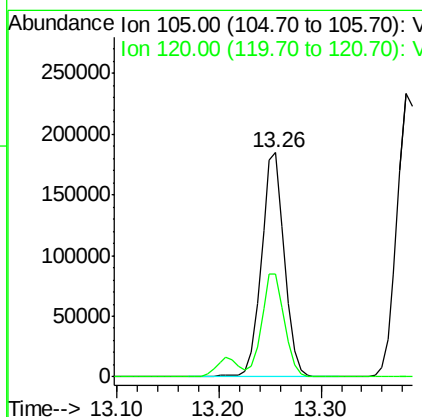
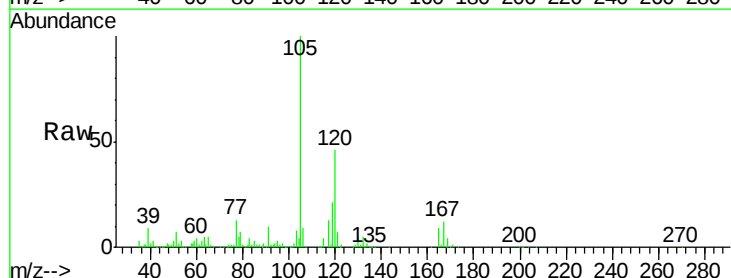
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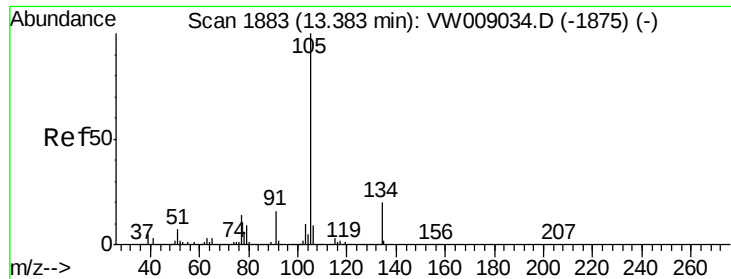
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#84
1,2,4-Trimethylbenzene
Concen: 21.312 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW009041.D
Acq: 07 Mar 2019 15:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.8	68.4





#85

sec-Butylbenzene

Concen: 21.521 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Instrument :

MSVOA_W

ClientSampleId :

VW0307SBS01

Tot Ion:105 Resp: 360437

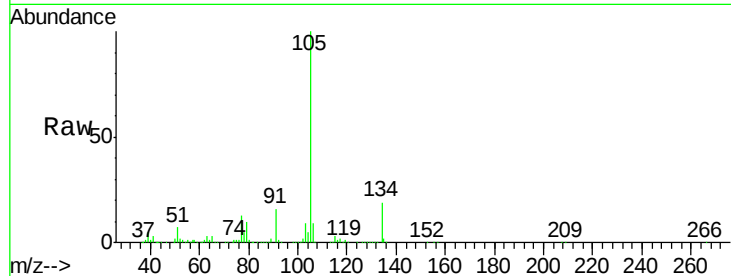
Ion Ratio Lower Upper

105 100

134 20.3 10.0 30.0

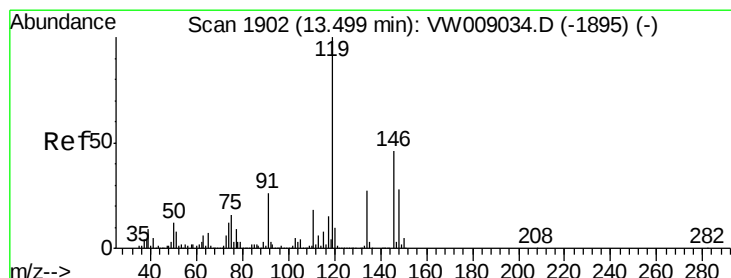
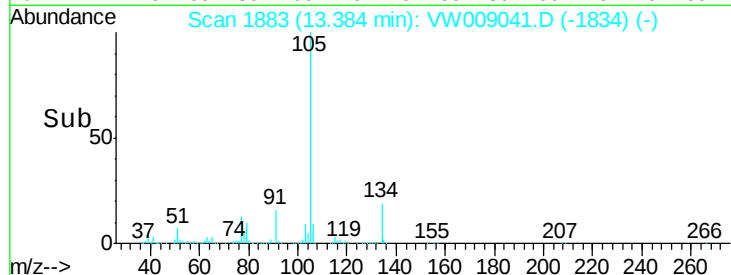
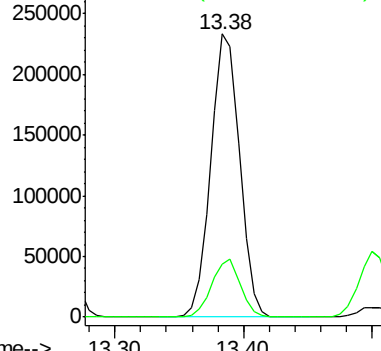
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.234 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

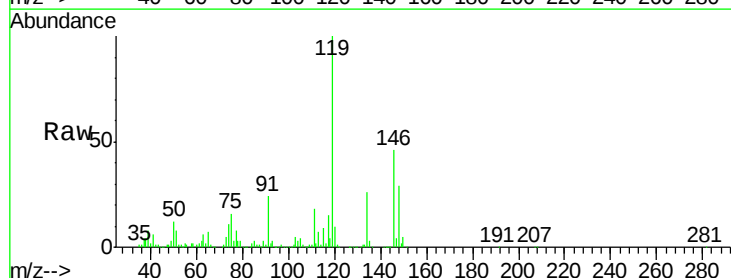
Tgt Ion:119 Resp: 318140

Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.9

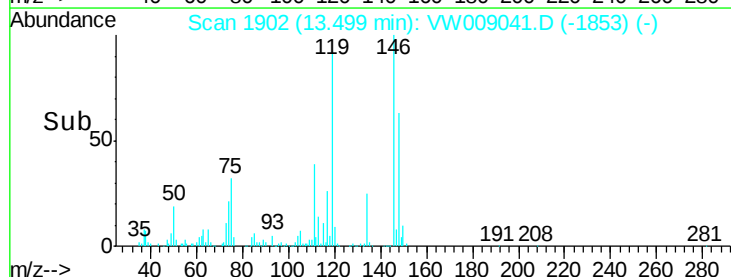
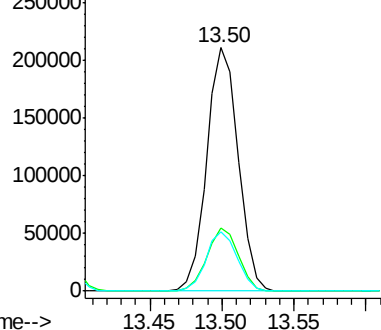
91 24.3 12.3 36.9

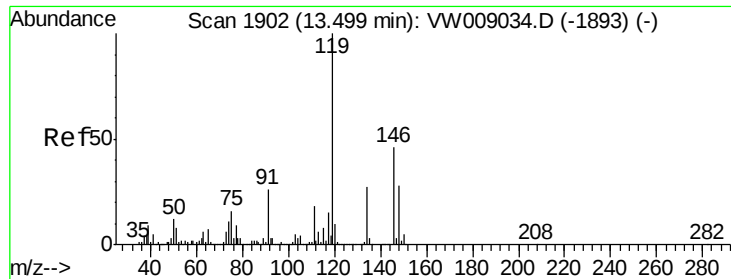


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





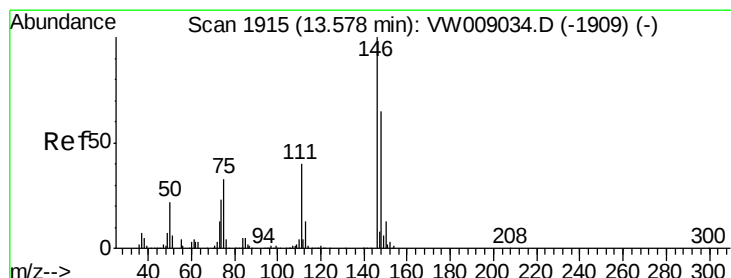
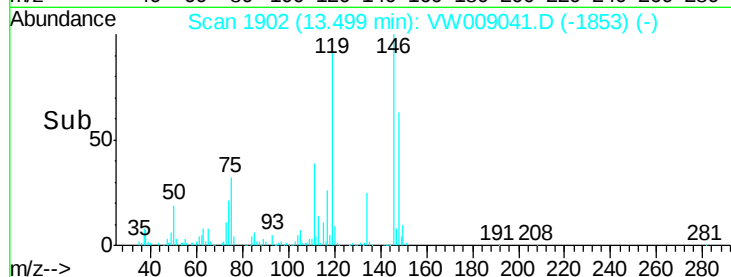
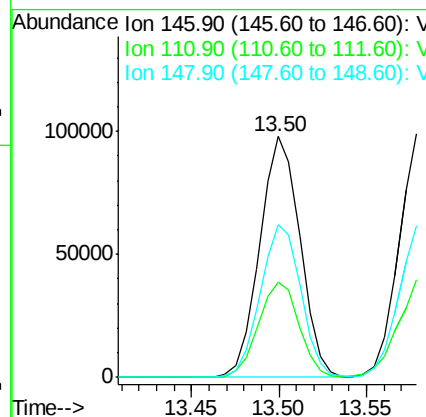
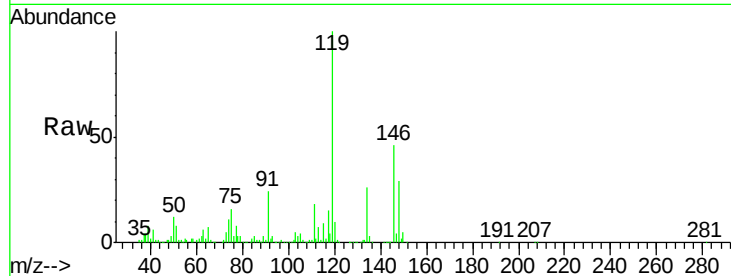
#87
 1,3-Dichlorobenzene
 Concen: 21.025 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009041.D
 Acq: 07 Mar 2019 15:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0307SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	156981		
111	39.7	19.8	59.4	
148	63.6	31.6	94.8	

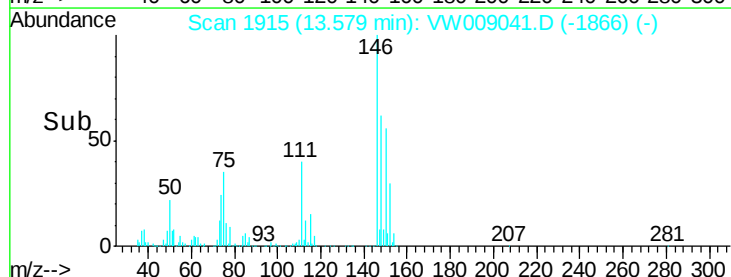
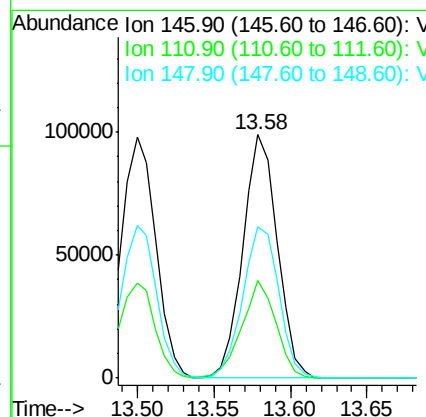
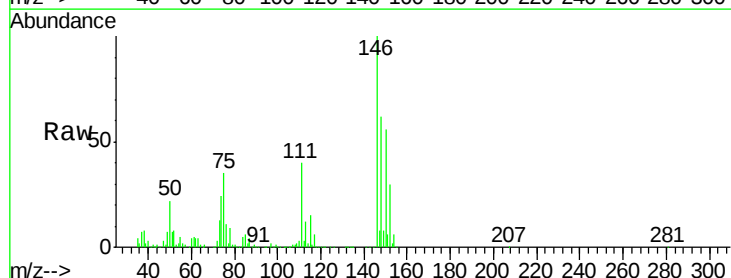
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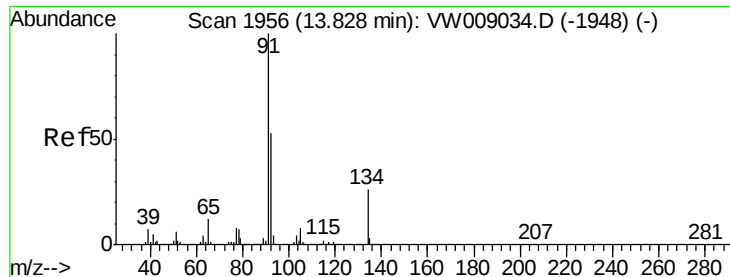
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#88
 1,4-Dichlorobenzene
 Concen: 20.973 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009041.D
 Acq: 07 Mar 2019 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	154752		
111	39.8	19.7	59.0	
148	65.1	32.2	96.6	





#89

n-Butylbenzene

Concen: 21.559 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Instrument :

MSVOA_W

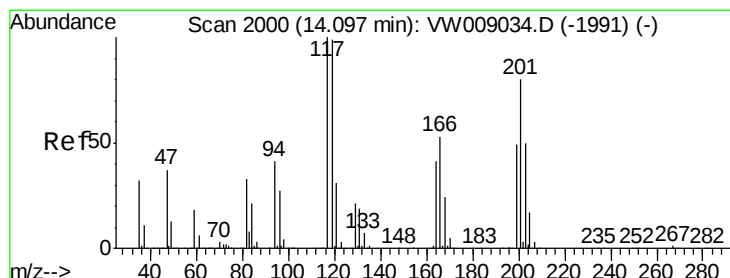
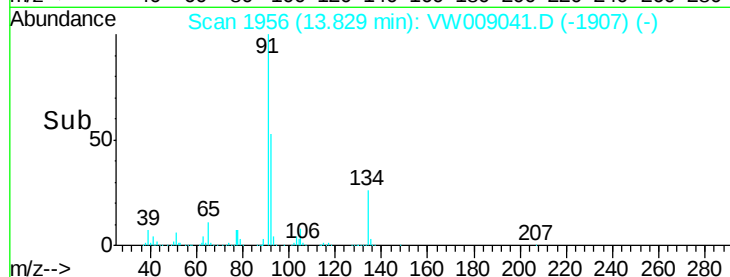
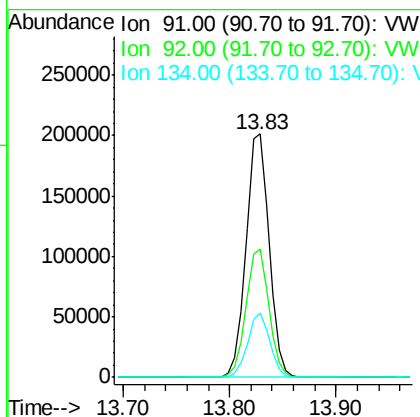
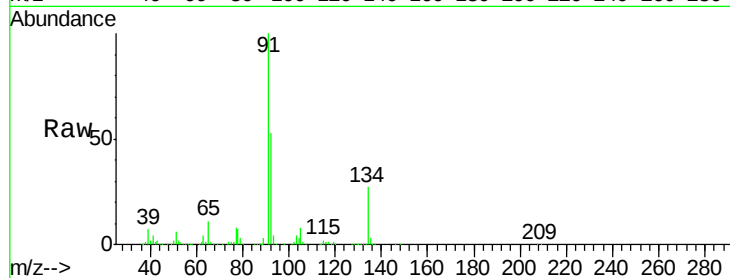
ClientSampleId :

VW0307SBS01

Tot Ion:	91	Resp:	307067
Ion Ratio	Lower	Upper	
91	100		
92	52.3	26.8	80.3
134	25.4	12.9	38.7

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#90

Hexachloroethane

Concen: 21.625 ug/l

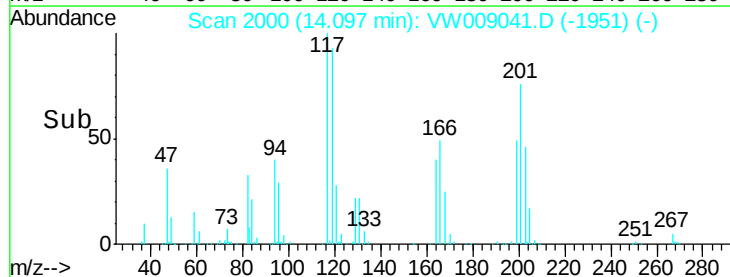
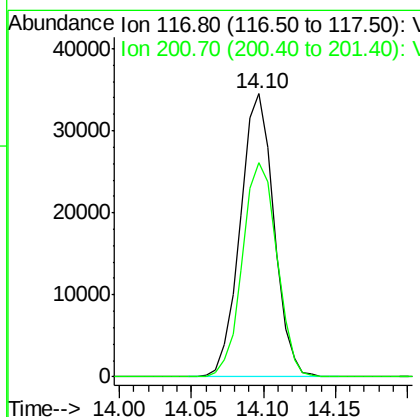
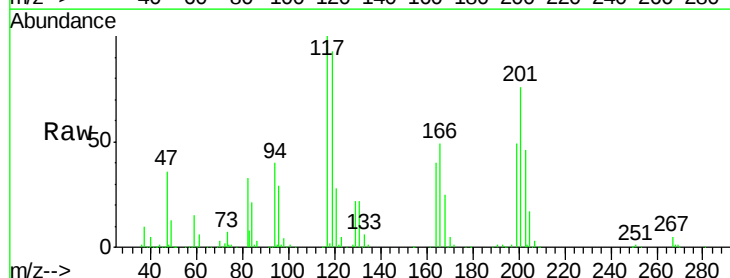
RT: 14.10 min Scan# 2000

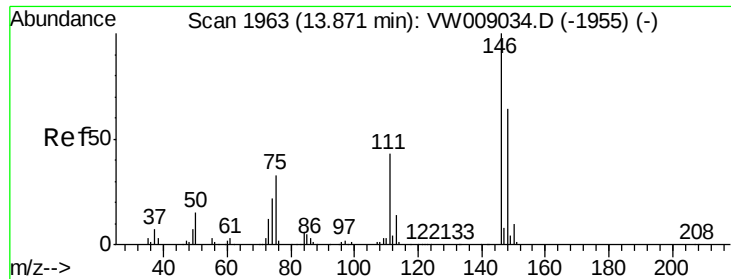
Delta R.T. 0.00 min

Lab File: VW009041.D

Acq: 07 Mar 2019 15:57

Tgt Ion:	117	Resp:	55880
Ion Ratio	Lower	Upper	
117	100		
201	77.7	39.1	117.5





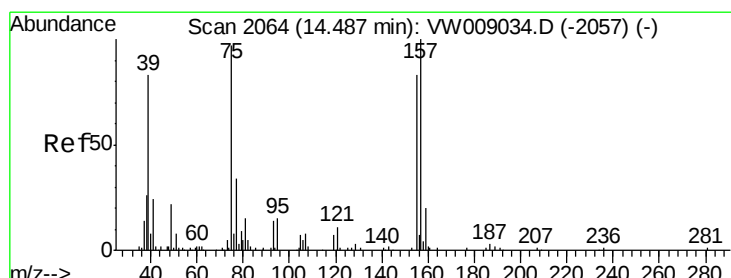
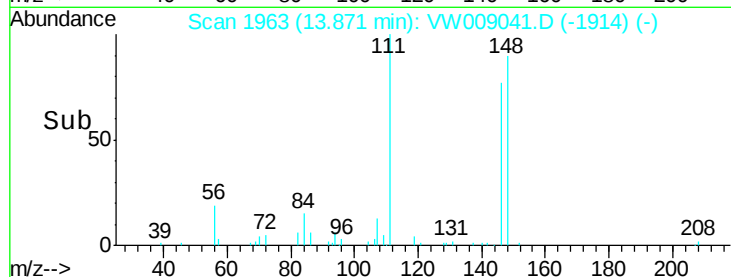
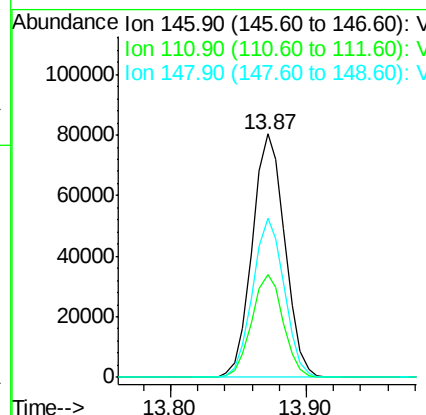
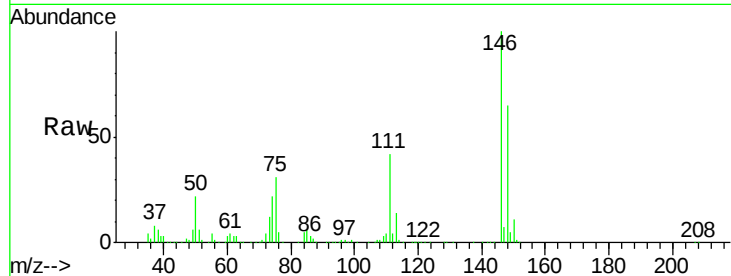
#91
 1,2-Dichlorobenzene
 Concen: 20.487 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009041.D
 Acq: 07 Mar 2019 15:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0307SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.1	63.1
148	63.5	32.3	96.9

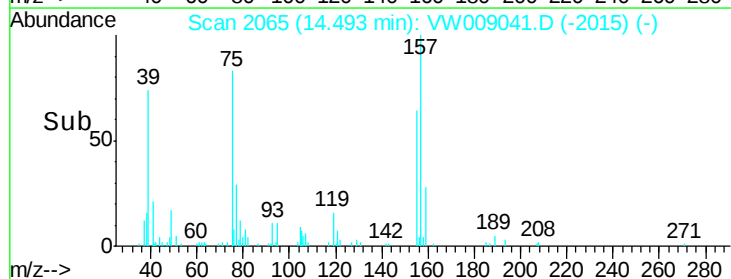
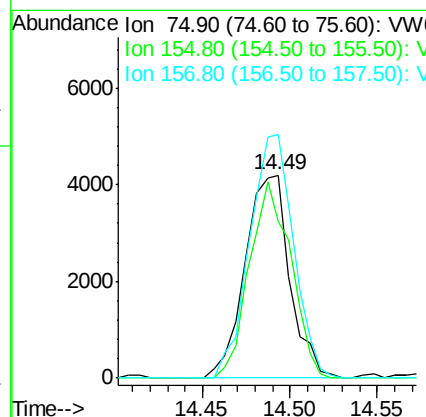
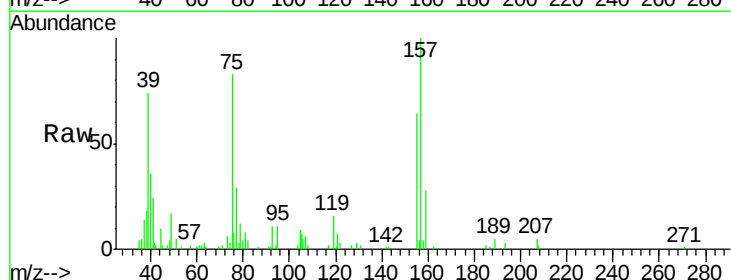
Manual Integrations
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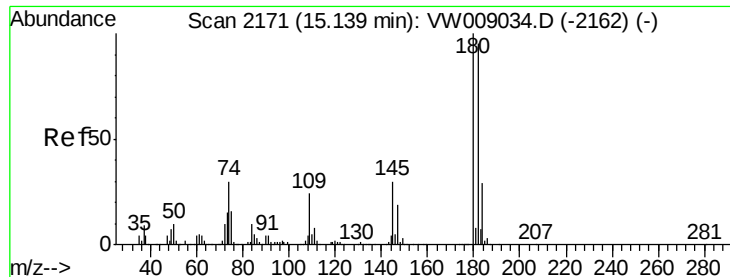
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.143 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW009041.D
 Acq: 07 Mar 2019 15:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.9	40.8	122.4
157	117.7	52.4	157.3





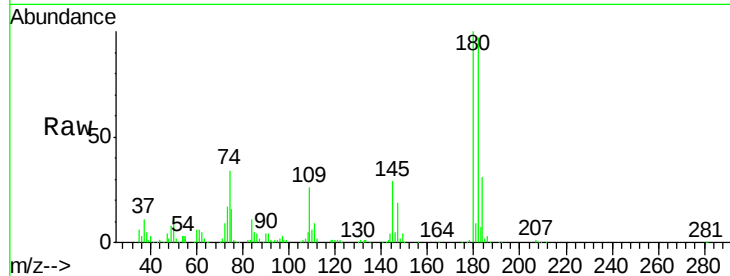
#93
1,2,4-Trichlorobenzene
Concen: 20.341 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.01 min
Lab File: VW009041.D
Acq: 07 Mar 2019 15:57

Instrument :
MSVOA_W
ClientSampleId :
VW0307SBS01

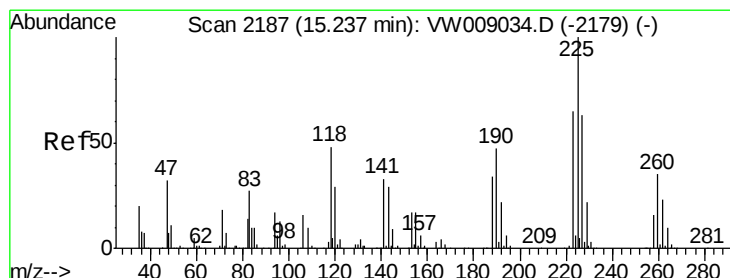
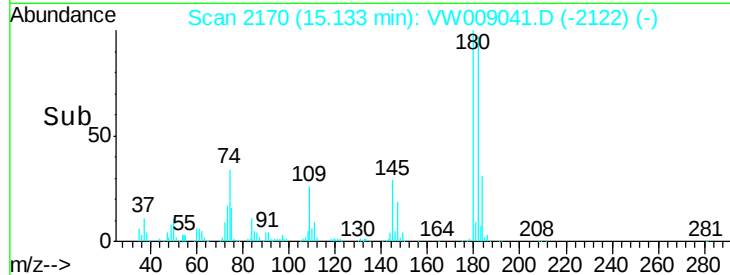
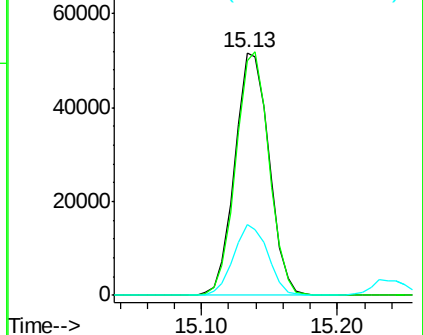
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.4	48.1	144.3	
145	29.2	15.4	46.1	

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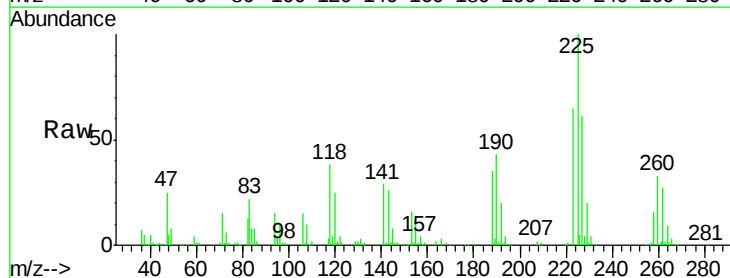


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

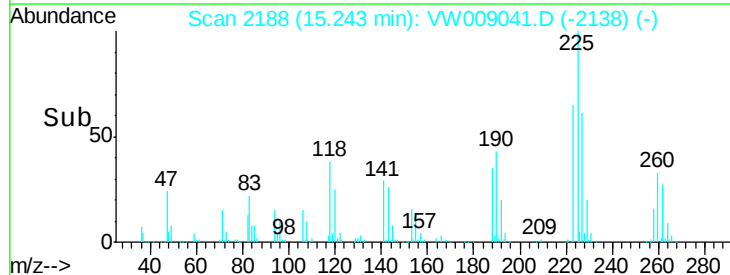
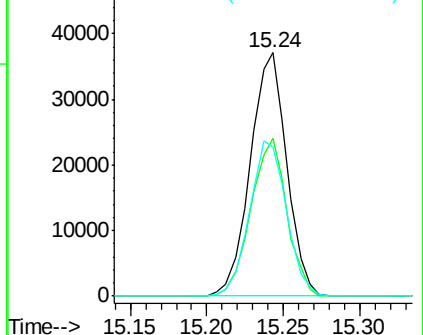


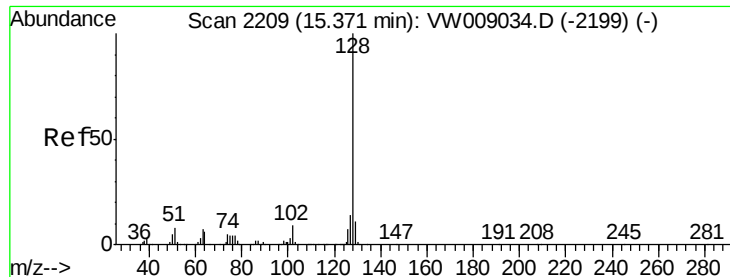
#94
Hexachlorobutadiene
Concen: 22.115 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.01 min
Lab File: VW009041.D
Acq: 07 Mar 2019 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.0	31.6	94.8	
227	64.2	32.0	96.2	



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





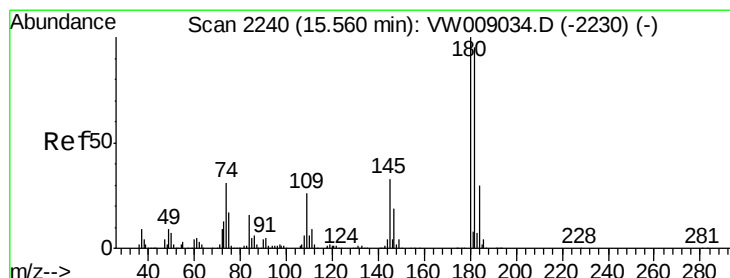
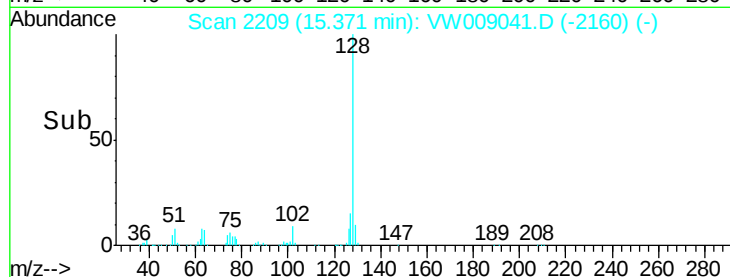
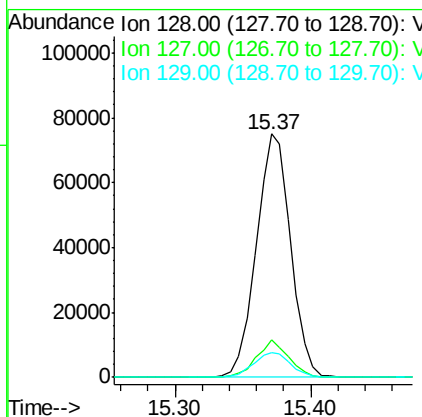
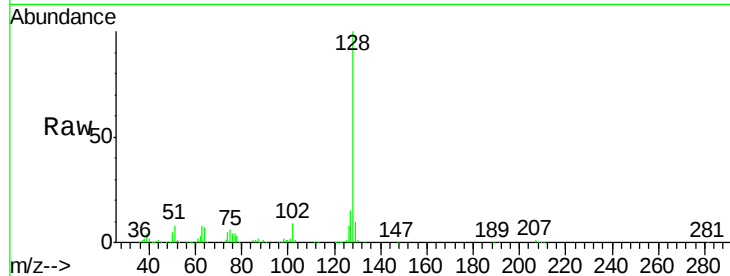
#95
Naphthalene
Concen: 18.154 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009041.D
Acq: 07 Mar 2019 15:57

Instrument :
MSVOA_W
ClientSampleId :
VW0307SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.4	11.0	16.6
129	11.0	8.8	13.2

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#96
1,2,3-Trichlorobenzene
Concen: 19.936 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009041.D
Acq: 07 Mar 2019 15:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.1	144.3
145	30.5	15.8	47.3

