

Data File : VW008990.D
Acq On : 05 Mar 2019 12:19
Operator : SY/VA
Sample : VW0305SBS02
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS02

Manual Integrations
APPROVED

MMDadoda
3/8/2019 10:54:10 AM

Quant Time: Mar 06 07:17:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	259015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	366972	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	342684	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	189590	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	130359	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	
35) Dibromofluoromethane	7.88	113	118413	53.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.48%	
50) Toluene-d8	10.32	98	483613	56.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.72%	
62) 4-Bromofluorobenzene	12.62	95	184172	55.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.60%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	56663	21.842	ug/l	100
3) Chloromethane	2.21	50	68423	21.667	ug/l	98
4) Vinyl Chloride	2.35	62	70172	20.988	ug/l	98
5) Bromomethane	2.76	94	68357	27.526	ug/l	99
6) Chloroethane	2.92	64	49357	20.789	ug/l	97
7) Trichlorofluoromethane	3.26	101	97251	22.998	ug/l	98
8) Diethyl Ether	3.69	74	27131	20.266	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	59704	23.250	ug/l	96
10) Methyl Iodide	4.27	142	49422	15.391	ug/l	99
11) Tert butyl alcohol	5.19	59	17519	81.003	ug/l	98
12) 1,1-Dichloroethene	4.04	96	51771	22.828	ug/l	94
13) Acrolein	3.91	56	15094	80.711	ug/l	98
14) Allyl chloride	4.67	41	87069	22.245	ug/l	96
15) Acrylonitrile	5.37	53	57637	100.316	ug/l	95
16) Acetone	4.14	43	56137	99.693	ug/l	97
17) Carbon Disulfide	4.37	76	160046	21.270	ug/l	100
18) Methyl Acetate	4.68	43	24863	18.615	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	124709	20.316	ug/l	96
20) Methylene Chloride	4.92	84	63817	19.934	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	60388	23.020	ug/l	96
22) Diisopropyl ether	6.31	45	175622	22.493	ug/l	98
23) Vinyl Acetate	6.26	43	513022	106.344	ug/l	99
24) 1,1-Dichloroethane	6.21	63	105215	23.254	ug/l	99
25) 2-Butanone	7.18	43	76555	97.244	ug/l	95
26) 2,2-Dichloropropane	7.17	77	100483	24.462	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	63706	22.702	ug/l	98
28) Bromochloromethane	7.51	49	40036	21.145	ug/l	99
29) Tetrahydrofuran	7.53	42	45322	90.339	ug/l	98
30) Chloroform	7.67	83	105658	22.763	ug/l	98
31) Cyclohexane	7.95	56	105210	22.972	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	104192	24.684	ug/l	99
36) 1,1-Dichloropropene	8.08	75	90287	25.275	ug/l	99
37) Ethyl Acetate	7.26	43	32369	19.486	ug/l #	96
38) Carbon Tetrachloride	8.07	117	92858	24.649	ug/l	97

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Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	101180	22.708	ug/l	98
40) Benzene	8.32	78	230914	23.675	ug/l	97
41) Methacrylonitrile	7.49	41	18008	18.442	ug/l	97
42) 1,2-Dichloroethane	8.40	62	70380	22.779	ug/l	99
43) Isopropyl Acetate	8.42	43	64075	19.327	ug/l	99
44) Trichloroethene	9.09	130	67078	24.413	ug/l	99
45) 1,2-Dichloropropane	9.37	63	57432	23.829	ug/l	95
46) Dibromomethane	9.46	93	30526	22.770	ug/l	94
47) Bromodichloromethane	9.64	83	77451	23.745	ug/l	95
48) Methyl methacrylate	9.44	41	31328	19.730	ug/l	96
49) 1,4-Dioxane	9.45	88	7274	338.813	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	163151	96.928	ug/l	99
52) Toluene	10.38	92	156124	23.586	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	73162	22.006	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	86086	22.703	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	40982	22.541	ug/l	92
56) Ethyl methacrylate	10.65	69	46879	19.846	ug/l	97
57) 1,3-Dichloropropane	10.93	76	71046	22.132	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	116460	98.029	ug/l	100
59) 2-Hexanone	10.97	43	116059	96.863	ug/l	100
60) Dibromochloromethane	11.13	129	48113	21.696	ug/l	97
61) 1,2-Dibromoethane	11.23	107	37620	20.904	ug/l	98
64) Tetrachloroethene	10.86	164	58303	23.768	ug/l	97
65) Chlorobenzene	11.66	112	170525	23.665	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	56514	23.196	ug/l	96
67) Ethyl Benzene	11.73	91	309210	24.005	ug/l	98
68) m/p-Xylenes	11.84	106	244644	47.534	ug/l	100
69) o-Xylene	12.17	106	112479	23.284	ug/l	99
70) Styrene	12.18	104	182413	23.471	ug/l	100
71) Bromoform	12.35	173	27611	21.083	ug/l #	100
73) Isopropylbenzene	12.47	105	314595	24.205	ug/l	99
74) N-amyl acetate	12.27	43	62250	19.014	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	44669	21.034	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	37691m	24.079	ug/l	
77) Bromobenzene	12.75	156	71044	23.131	ug/l	99
78) n-propylbenzene	12.80	91	390662	24.572	ug/l	99
79) 2-Chlorotoluene	12.89	91	213526	23.655	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	264433	23.412	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	13205	20.509	ug/l	98
82) 4-Chlorotoluene	12.99	91	229659	24.144	ug/l	99
83) tert-Butylbenzene	13.21	119	227985	23.344	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	267133	22.848	ug/l	100
85) sec-Butylbenzene	13.38	105	339513	24.177	ug/l	99
86) p-Isopropyltoluene	13.50	119	300158	23.316	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	148207	23.258	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	145337	23.141	ug/l	97
89) n-Butylbenzene	13.83	91	281569	23.346	ug/l	100
90) Hexachloroethane	14.10	117	50819	24.114	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	131396	23.142	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7838	20.403	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030519\
Quantitation Report (QT Reviewed)

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Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	88591	21.655	ug/l	99
94) Hexachlorobutadiene	15.24	225	60135	24.955	ug/l	98
95) Naphthalene	15.38	128	131512	18.881	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	74722	21.125	ug/l	99

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

Data File : VW008990.D

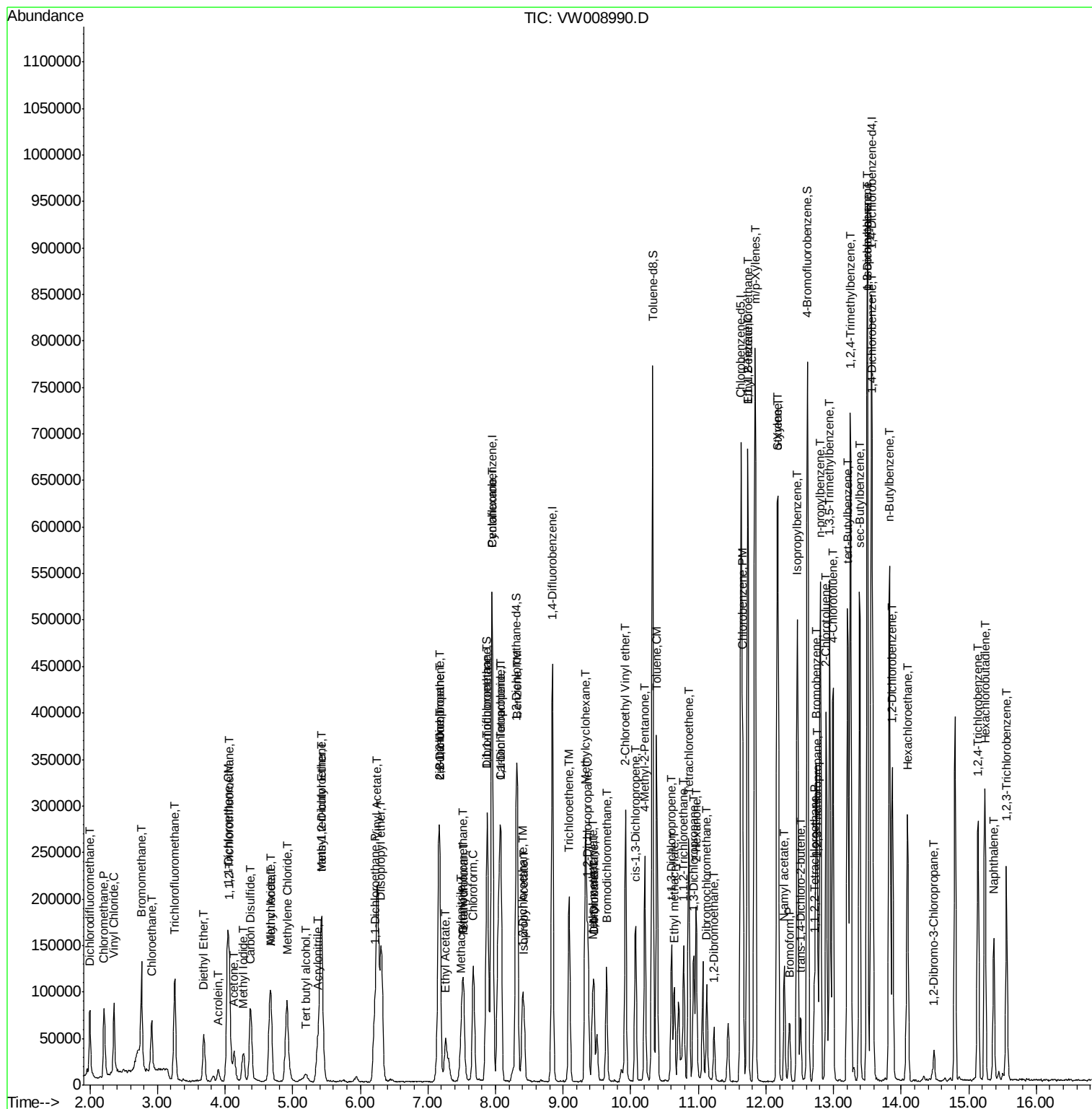
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Acq On       : 05 Mar 2019   12:19
Operator    : SY/VA
Sample      : VW0305SBS02
Misc       : 5.00G/5ML/MSV0A_W/SOIL
ALS Vial    : 4      Sample Multiplier: 1
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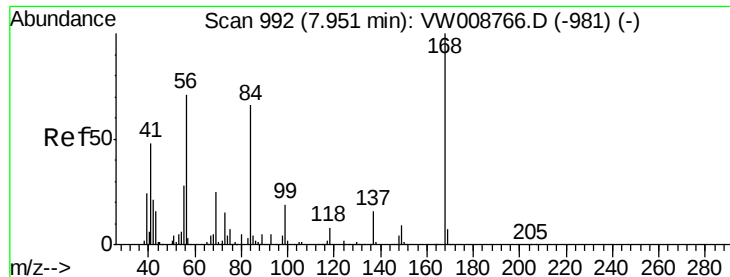
Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS02

Manual Integrations
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MMDadoda
3/8/2019 10:54:10 AM

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

VW0305SBS02

Tgt Ion:168 Resp: 259015

Ion Ratio Lower Upper

168 100

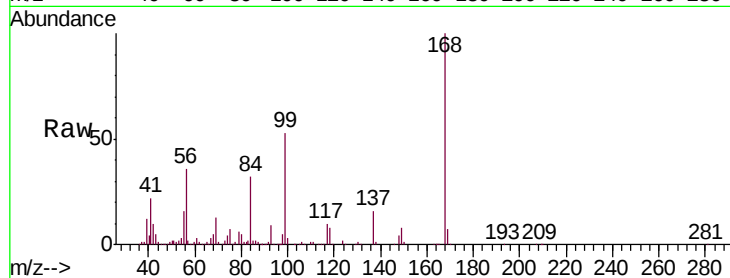
99 52.7 42.2 63.2

Manual Integrations

APPROVED

MMDadoda

3/8/2019 10:54:10 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

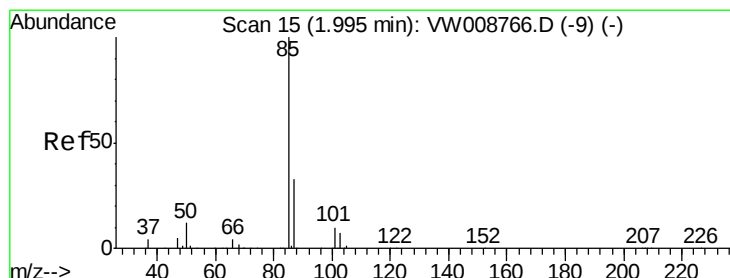
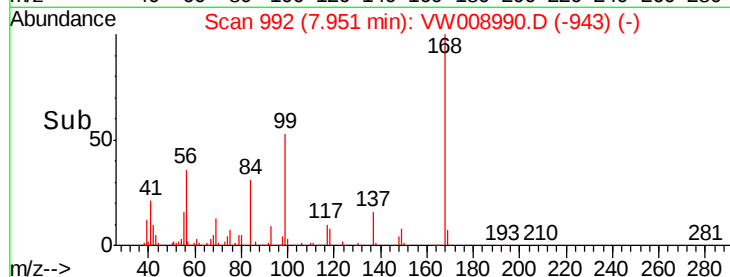
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.842 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW008990.D

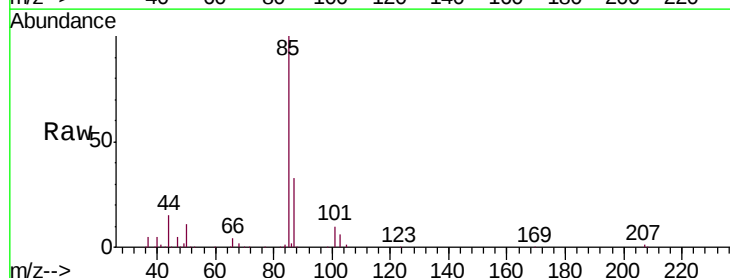
Acq: 05 Mar 2019 12:19

Tgt Ion: 85 Resp: 56663

Ion Ratio Lower Upper

85 100

87 32.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

40000

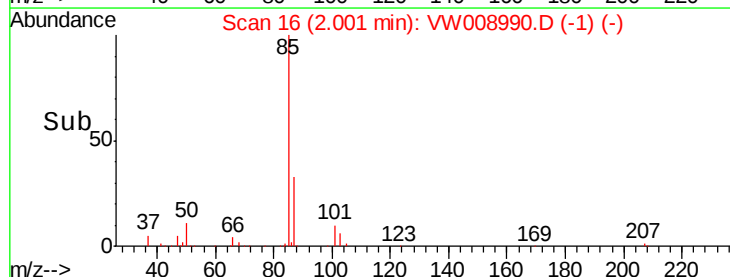
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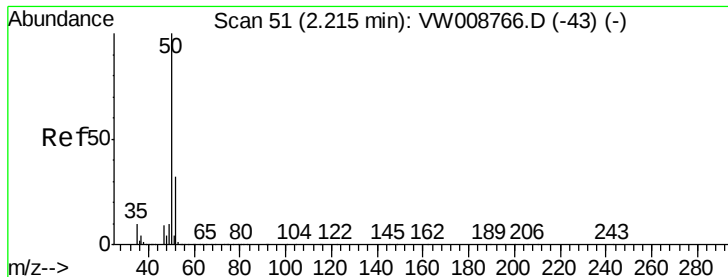
20000

10000

0

Time-->





#3

Chloromethane

Concen: 21.667 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

VW0305SBS02

Tgt Ion: 50 Resp: 68423

Ion Ratio Lower Upper

50 100

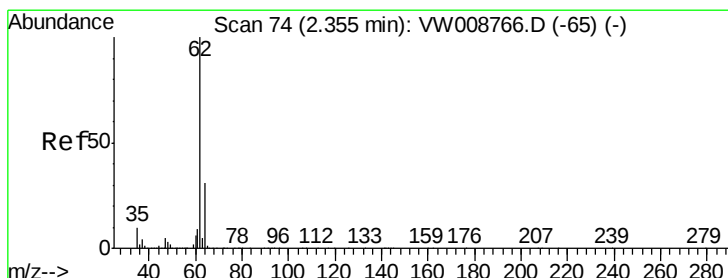
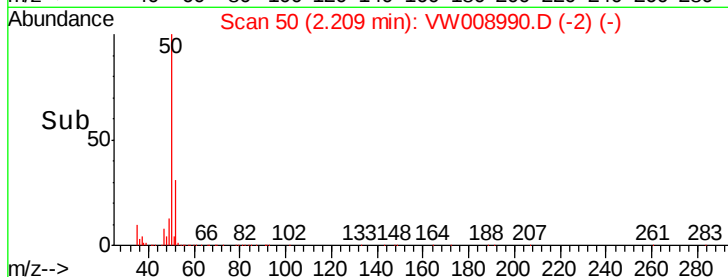
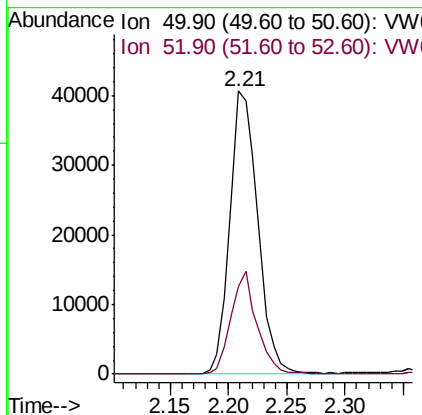
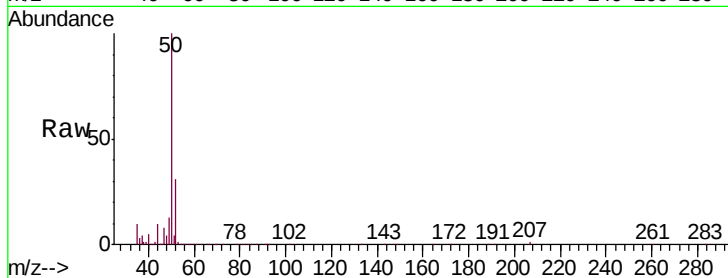
52 31.0 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

3/8/2019 10:54:10 AM



#4

Vinyl Chloride

Concen: 20.988 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW008990.D

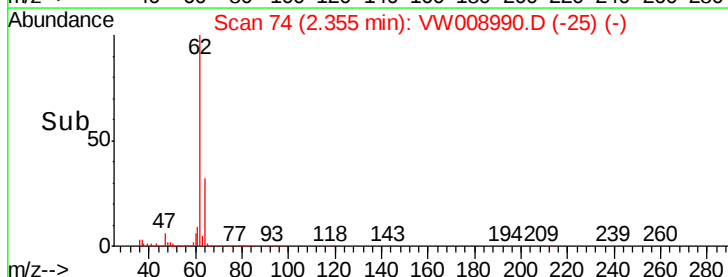
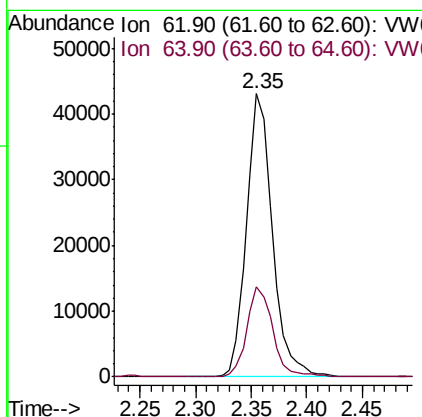
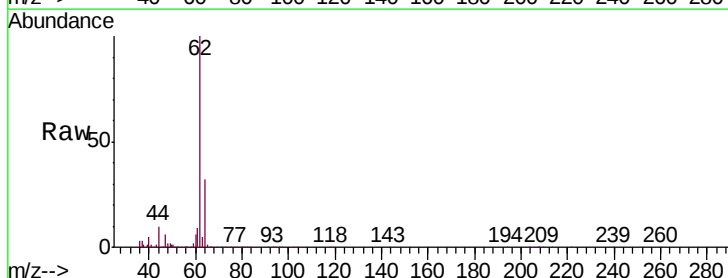
Acq: 05 Mar 2019 12:19

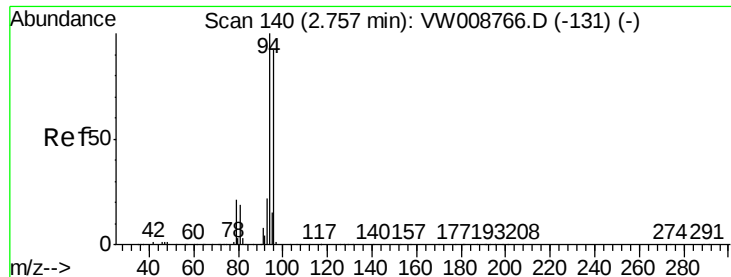
Tgt Ion: 62 Resp: 70172

Ion Ratio Lower Upper

62 100

64 32.1 24.9 37.3





#5

Bromomethane

Concen: 27.526 ug/l

RT: 2.76 min Scan# 141

Delta R.T. 0.01 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

VW0305SBS02

Tgt Ion: 94 Resp: 68357

Ion Ratio Lower Upper

94 100

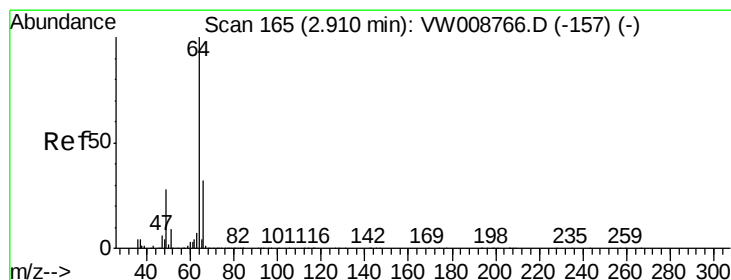
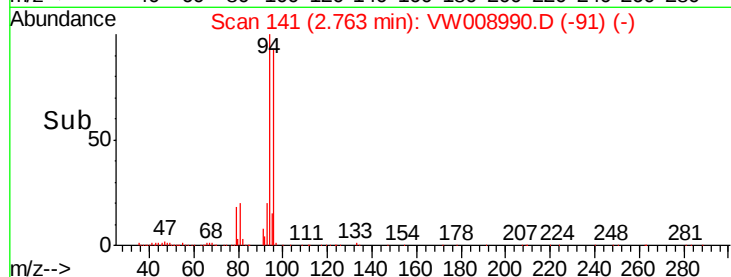
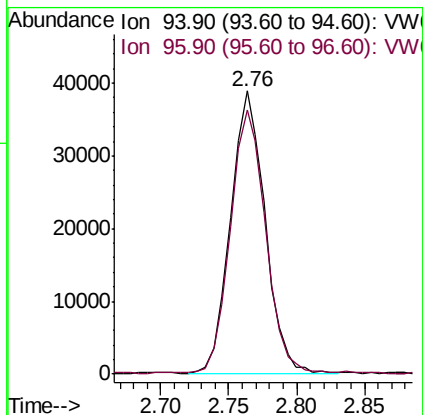
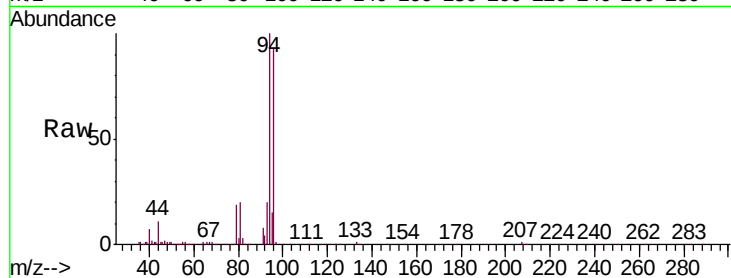
96 92.8 73.4 110.2

Manual Integrations

APPROVED

MMDadoda

3/8/2019 10:54:10 AM



#6

Chloroethane

Concen: 20.789 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.01 min

Lab File: VW008990.D

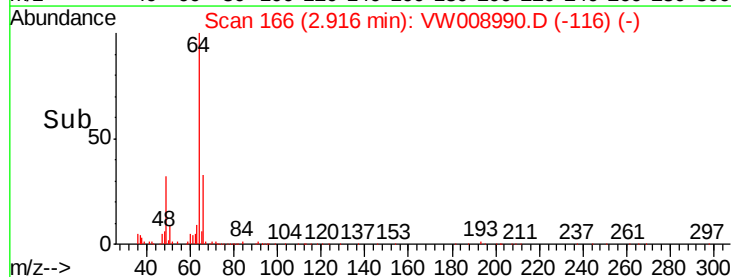
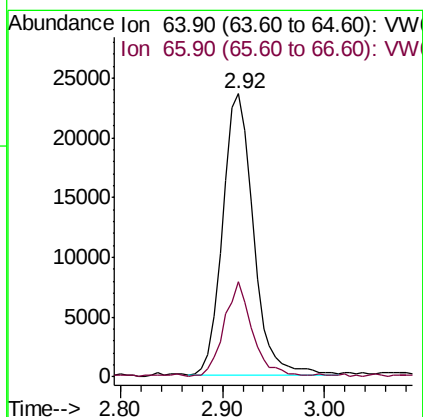
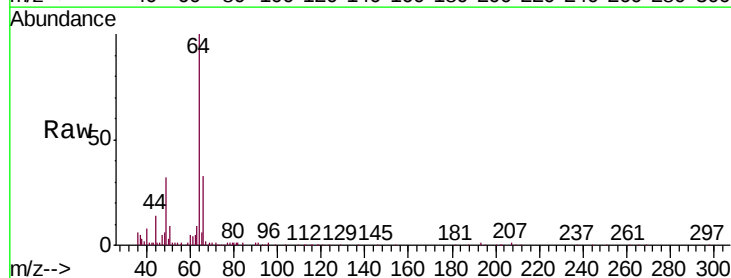
Acq: 05 Mar 2019 12:19

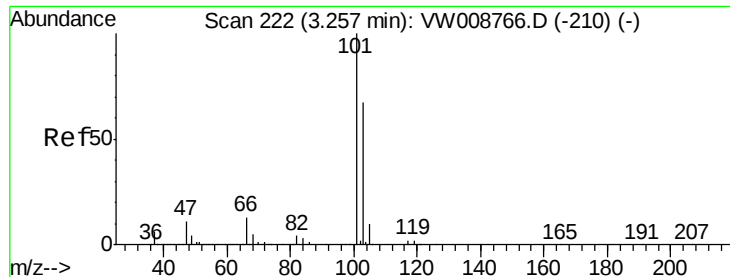
Tgt Ion: 64 Resp: 49357

Ion Ratio Lower Upper

64 100

66 33.3 25.5 38.3





#7

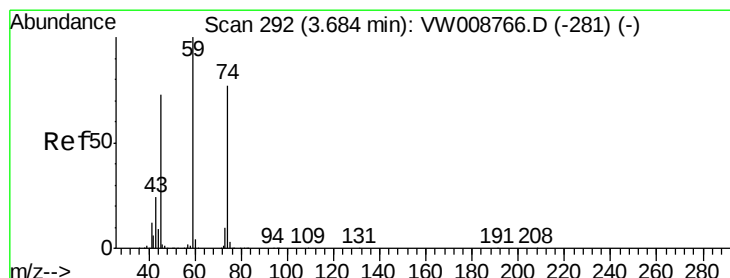
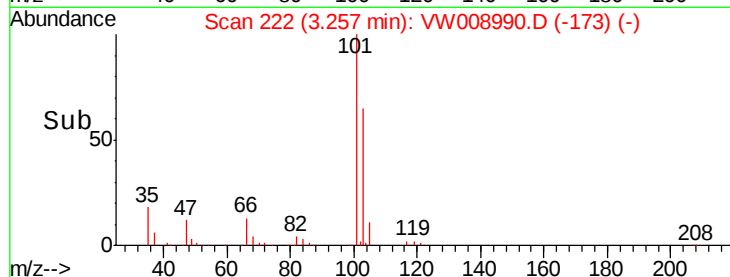
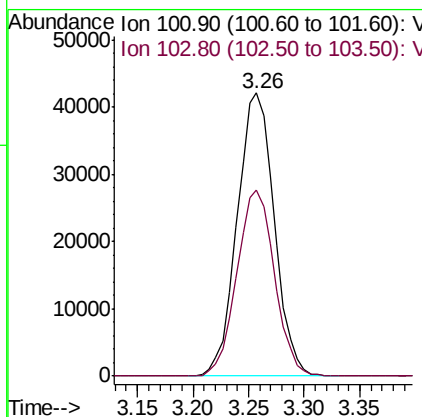
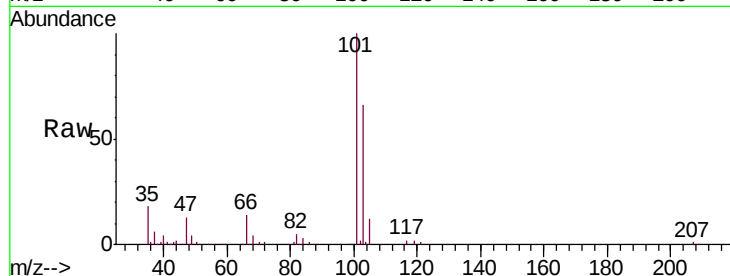
Trichlorofluoromethane
 Concen: 22.998 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBS02

Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.7	53.9	80.9

Manual Integrations
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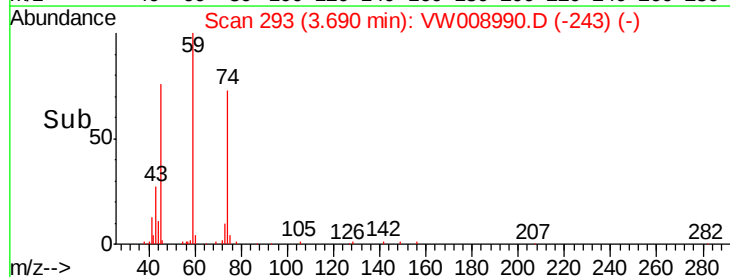
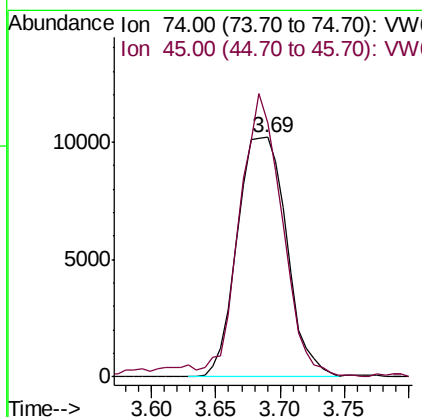
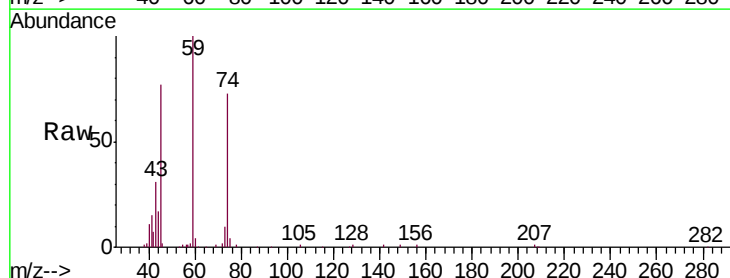
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 3/8/2019 10:54:10 AM

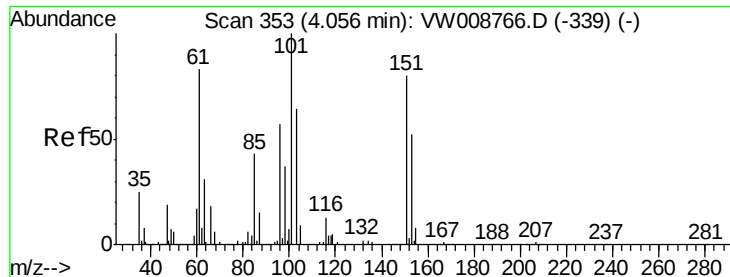


#8

Diethyl Ether
 Concen: 20.266 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.8	50.2	150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.250 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

Instrument :

MSVOA_W

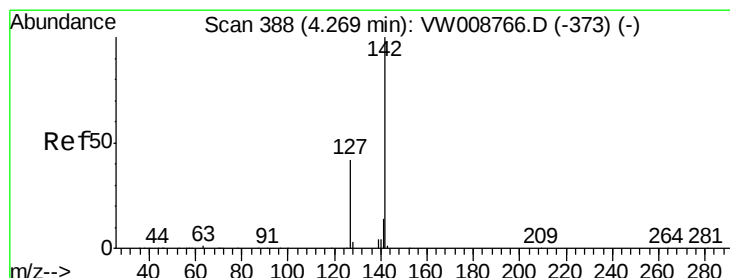
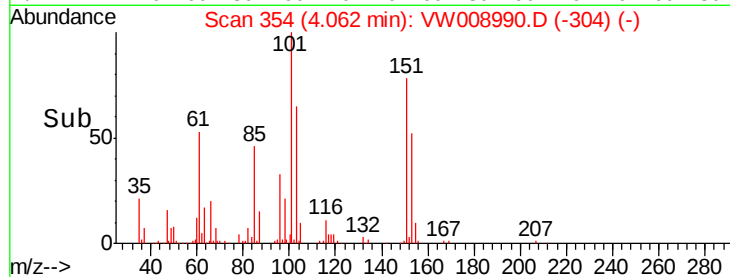
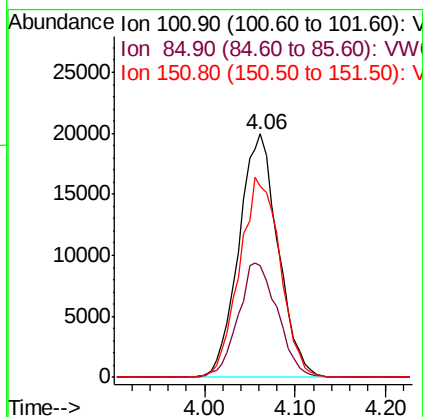
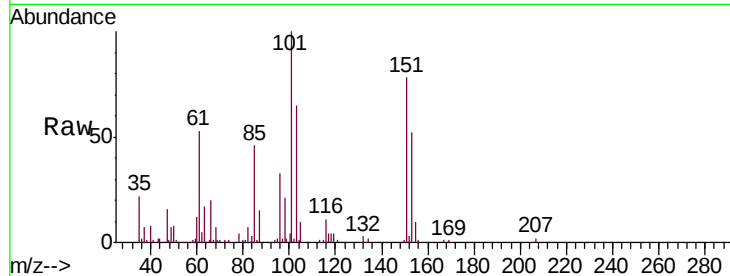
ClientSampleId :

VW0305SBS02

Tgt Ion:	101	Resp:	59704
Ion Ratio	Lower	Upper	
101	100		
85	47.1	36.0	54.0
151	85.3	65.5	98.3

Manual Integrations
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3/8/2019 10:54:10 AM



#10

Methyl Iodide

Concen: 15.391 ug/l

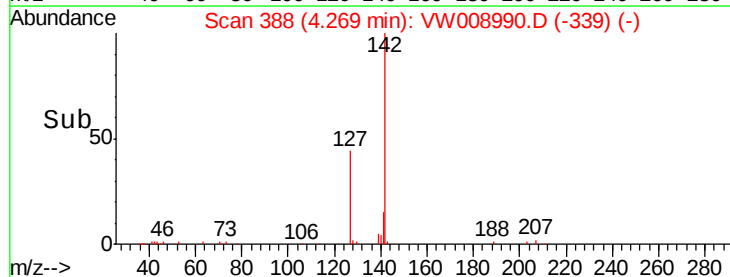
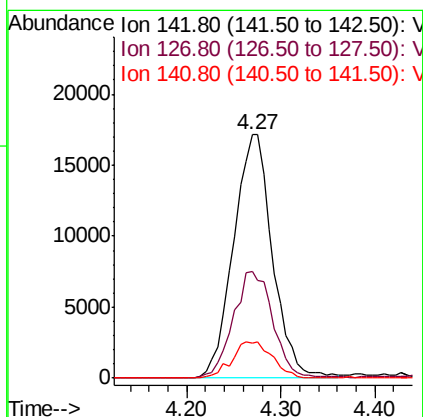
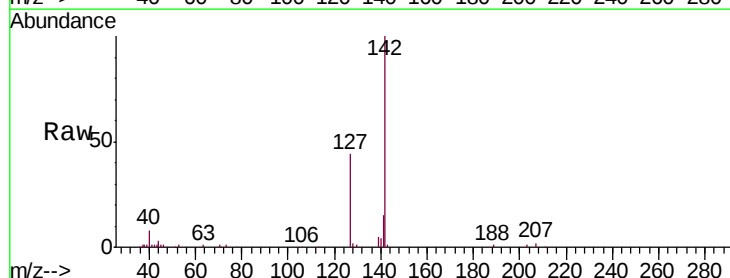
RT: 4.27 min Scan# 388

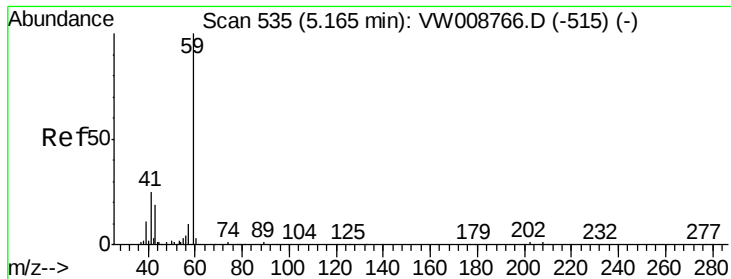
Delta R.T. 0.00 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

Tgt Ion:	142	Resp:	49422
Ion Ratio	Lower	Upper	
142	100		
127	44.8	35.3	52.9
141	15.6	11.7	17.5





#11

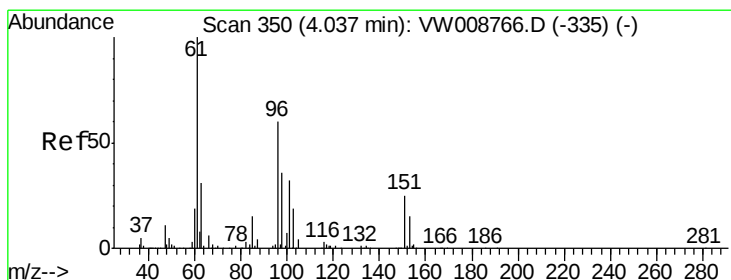
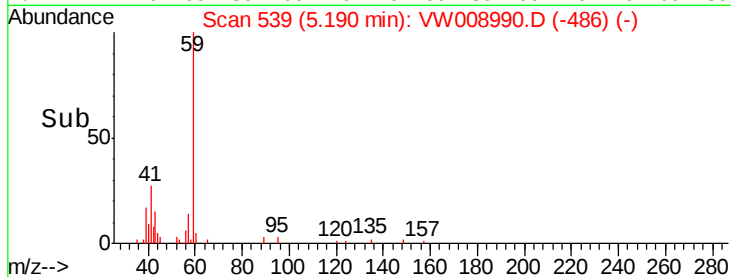
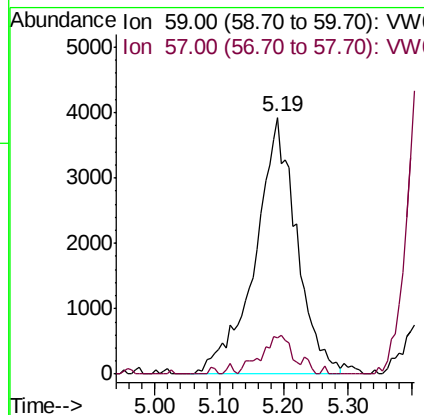
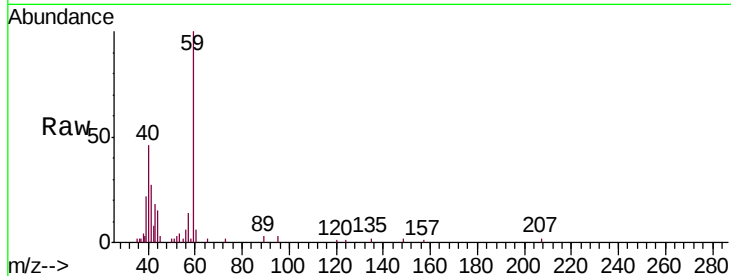
Tert butyl alcohol
Concen: 81.003 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.02 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS02

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.9	9.3	13.9

Manual Integrations
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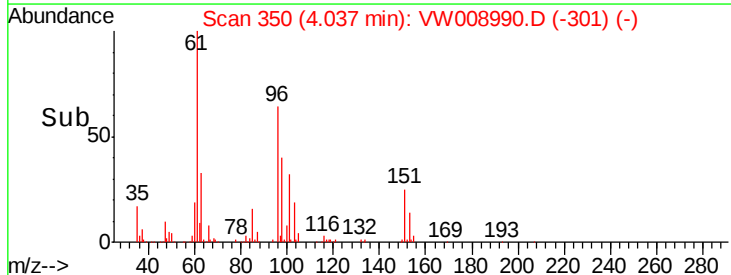
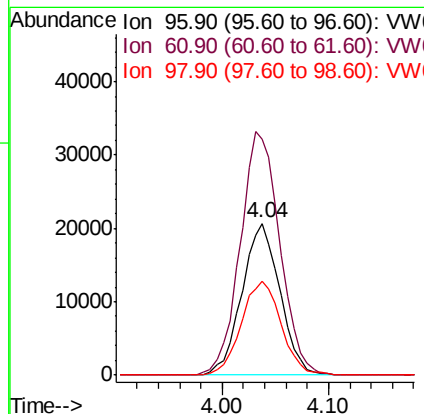
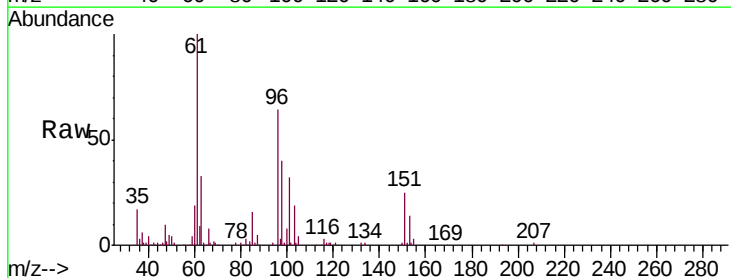
MMDadoda
3/8/2019 10:54:10 AM

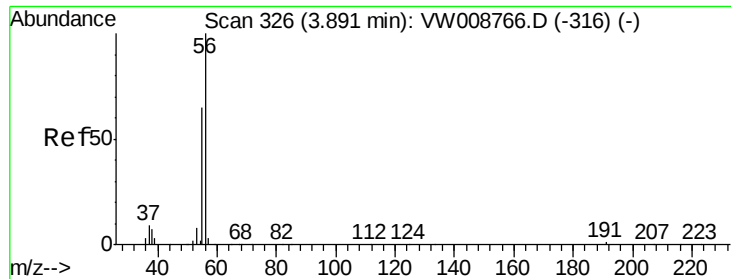


#12

1,1-Dichloroethene
Concen: 22.828 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.2	132.5	198.7
98	62.0	48.2	72.4





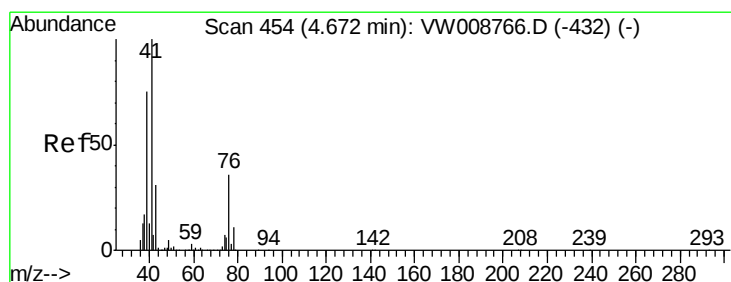
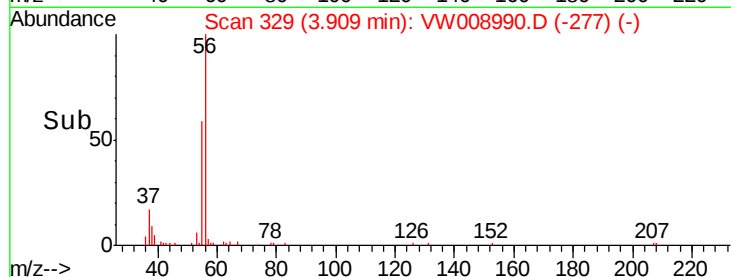
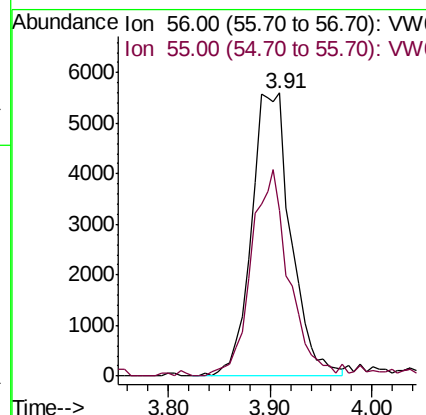
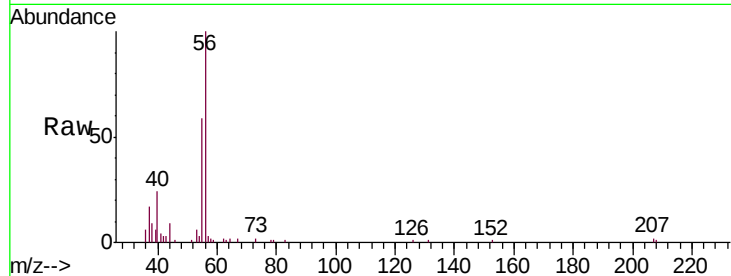
#13
Acrolein
Concen: 80.711 ug/l
RT: 3.91 min Scan# 329
Delta R.T. 0.02 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS02

Tgt Ion	Ratio	Lower	Upper
56	100		
55	69.2	56.9	85.3

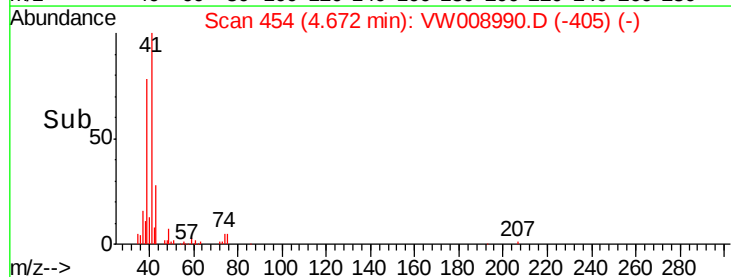
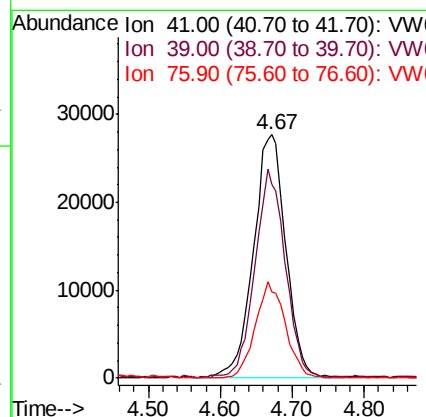
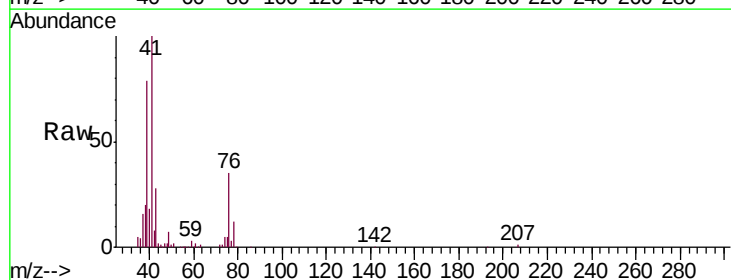
Manual Integrations
APPROVED

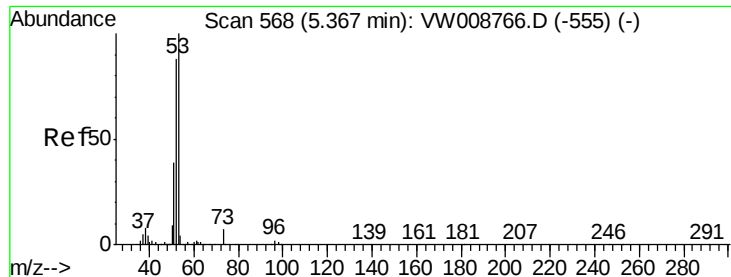
MMDadoda
3/8/2019 10:54:10 AM



#14
Allyl chloride
Concen: 22.245 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion	Ratio	Lower	Upper
41	100		
39	80.1	60.6	91.0
76	36.4	28.6	42.8





#15

Acrylonitrile

Concen: 100.316 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

Instrument :

MSVOA_W

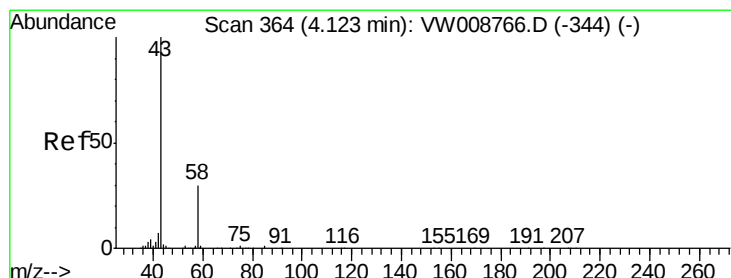
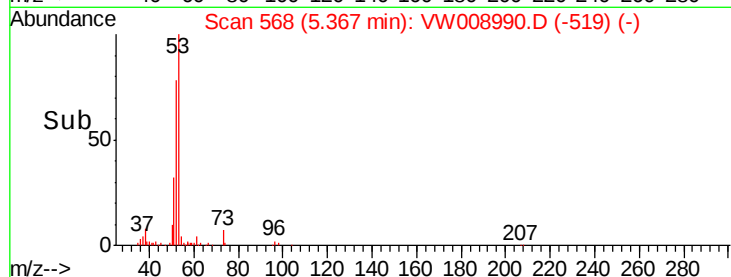
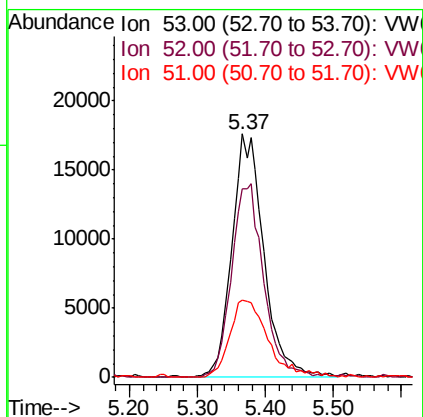
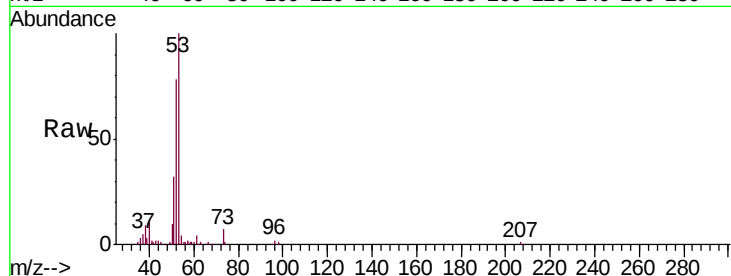
ClientSampleId :

VW0305SBS02

Tgt Ion:	53	Resp:	57637
Ion	Ratio	Lower	Upper
53	100		
52	79.2	67.2	100.8
51	36.9	31.1	46.7

Manual Integrations
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MMDadoda
3/8/2019 10:54:10 AM



#16

Acetone

Concen: 99.693 ug/l

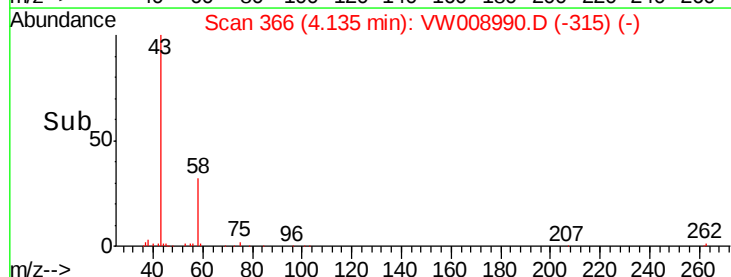
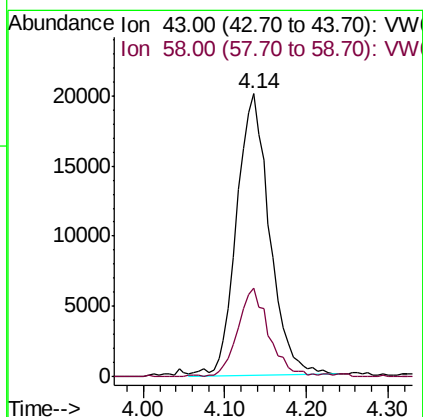
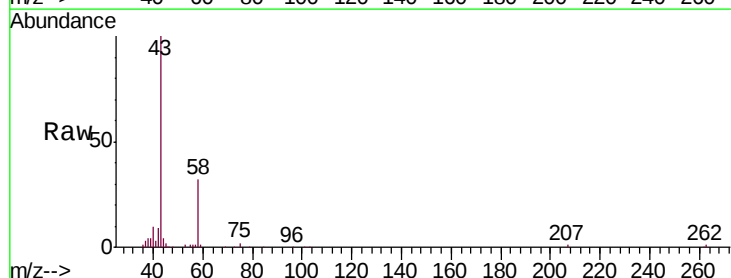
RT: 4.14 min Scan# 366

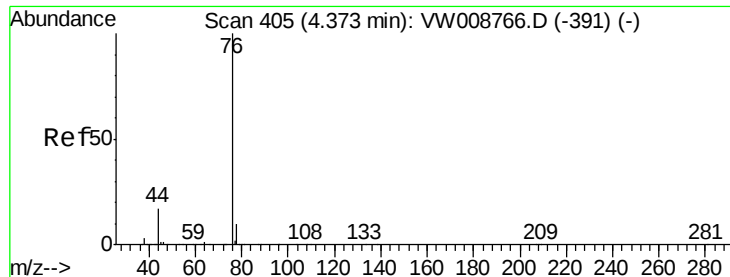
Delta R.T. 0.01 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

Tgt Ion:	43	Resp:	56137
Ion	Ratio	Lower	Upper
43	100		
58	31.2	23.8	35.6





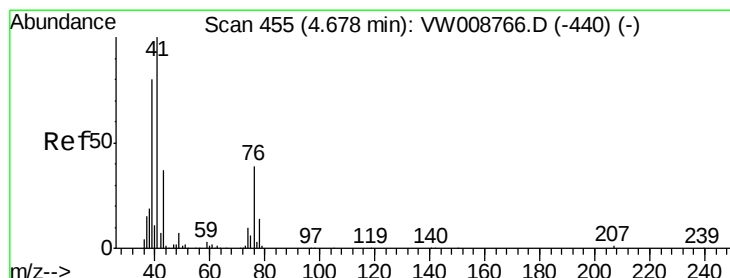
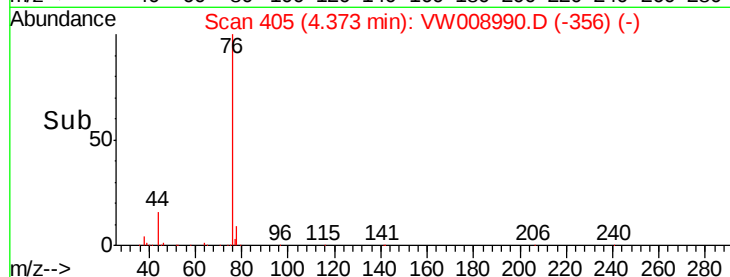
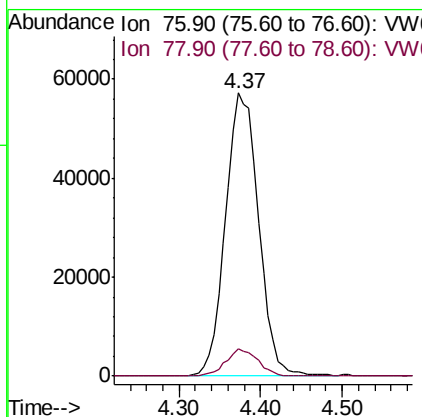
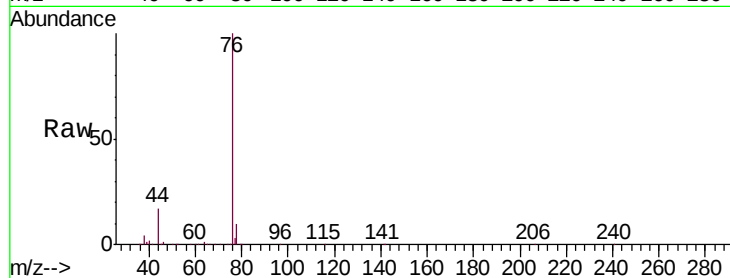
#17
Carbon Disulfide
Concen: 21.270 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS02

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.8	11.8

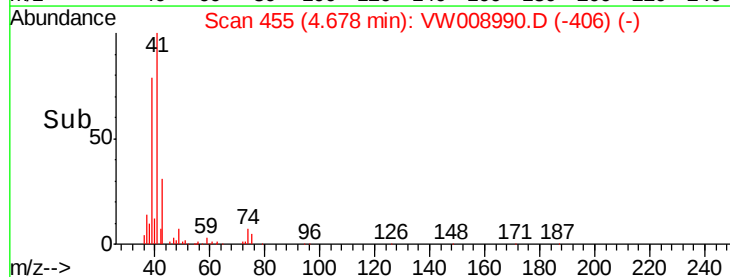
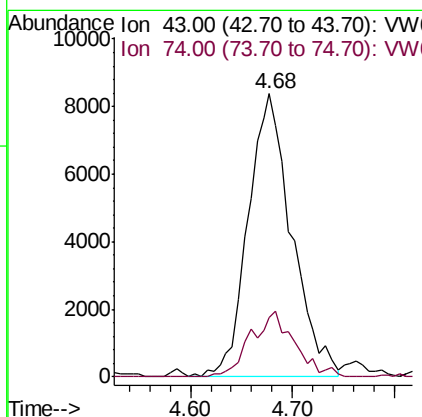
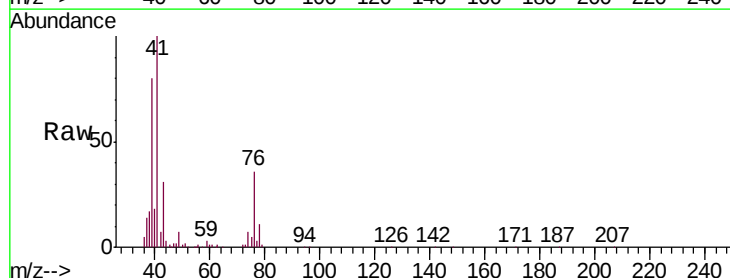
Manual Integrations
APPROVED

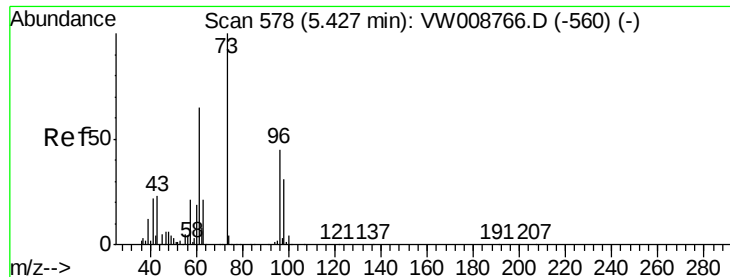
MMDadoda
3/8/2019 10:54:10 AM



#18
Methyl Acetate
Concen: 18.615 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	19.4	29.2





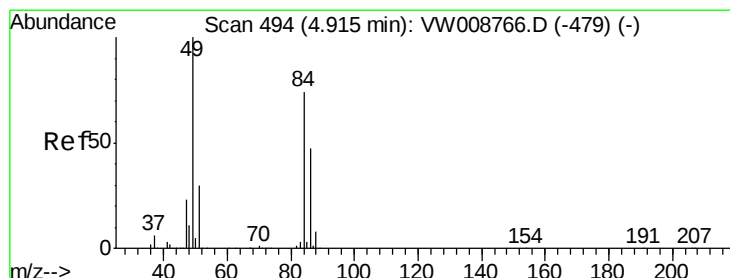
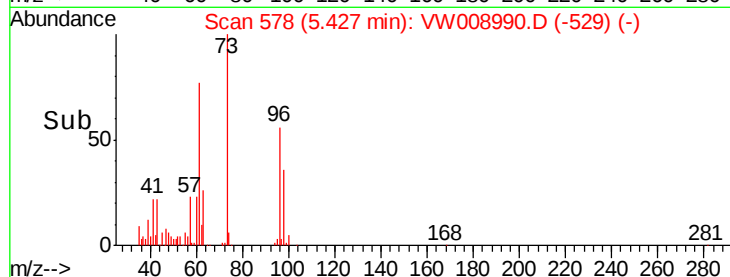
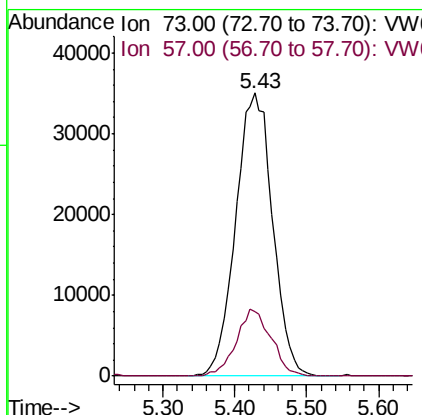
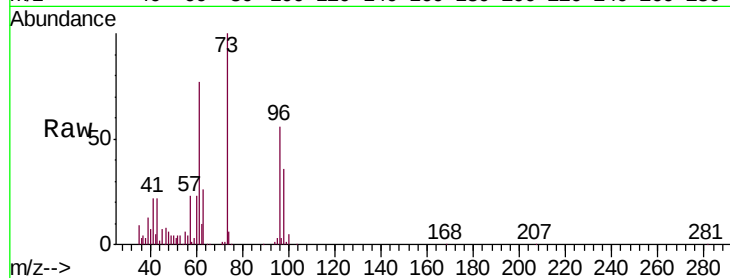
#19
Methyl tert-butyl Ether
Concen: 20.316 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Instrument :
MSVOA_W
ClientSampled :
VW0305SBS02

Tgt Ion: 73 Resp: 124709
Ion Ratio Lower Upper
73 100
57 22.9 16.8 25.2

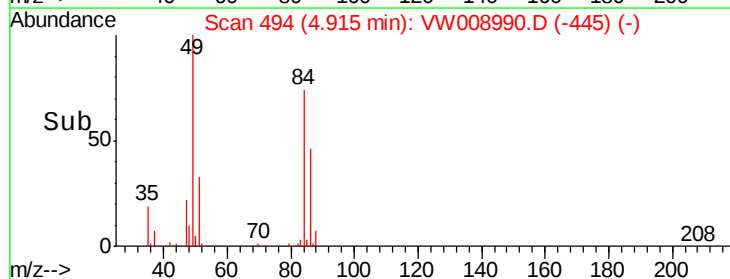
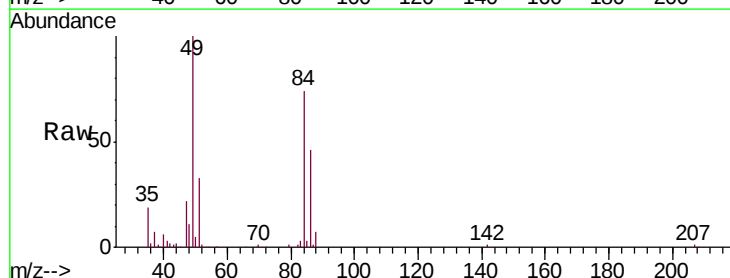
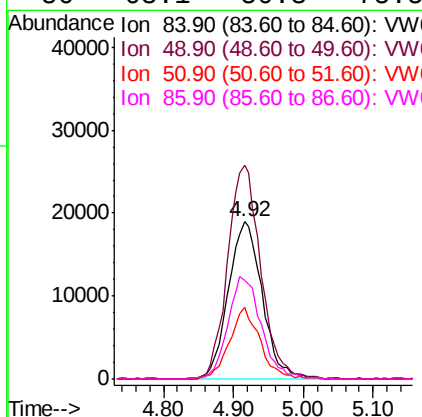
Manual Integrations
APPROVED

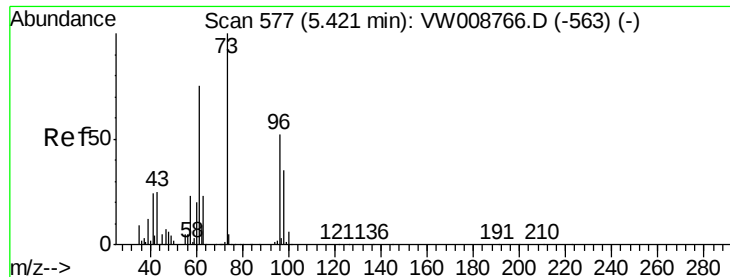
MMDadoda
3/8/2019 10:54:10 AM



#20
Methylene Chloride
Concen: 19.934 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion: 84 Resp: 63817
Ion Ratio Lower Upper
84 100
49 136.1 108.2 162.2
51 45.5 32.7 49.1
86 63.1 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 23.020 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

Instrument :

MSVOA_W

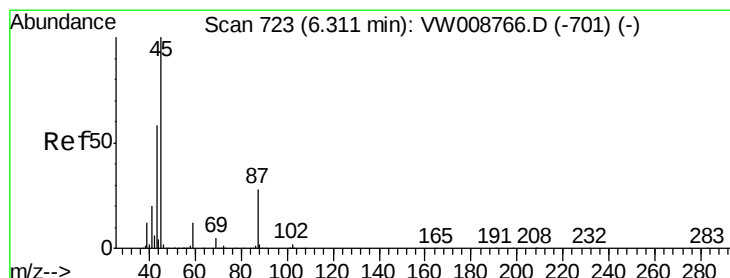
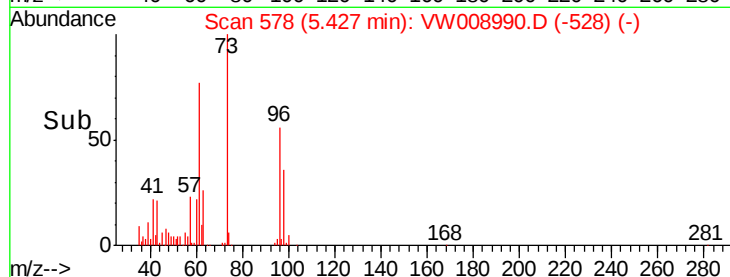
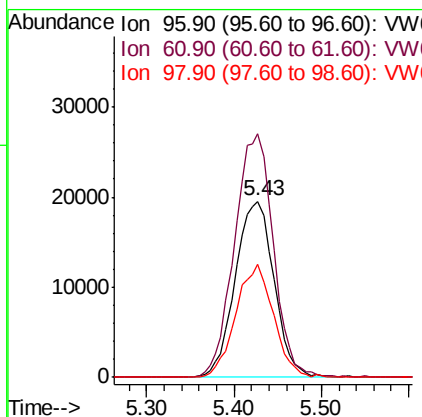
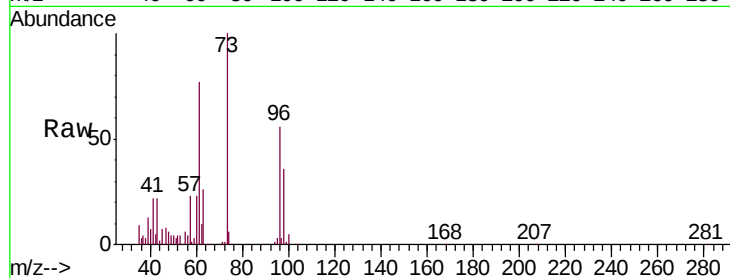
ClientSampleId :

VW0305SBS02

Tgt Ion:	96	Resp:	60388
Ion	Ratio	Lower	Upper
96	100		
61	138.1	114.6	171.8
98	64.1	54.0	81.0

Manual Integrations
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MMDadoda
3/8/2019 10:54:10 AM



#22

Diisopropyl ether

Concen: 22.493 ug/l

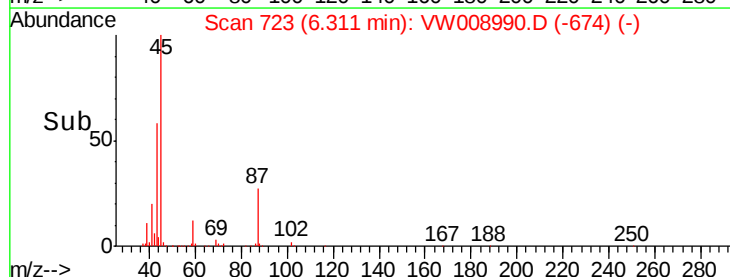
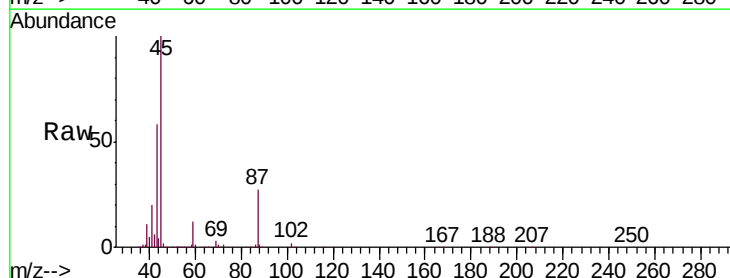
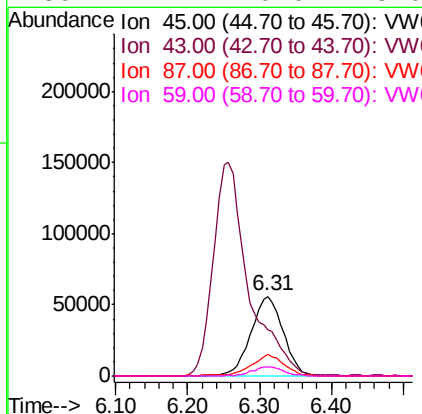
RT: 6.31 min Scan# 723

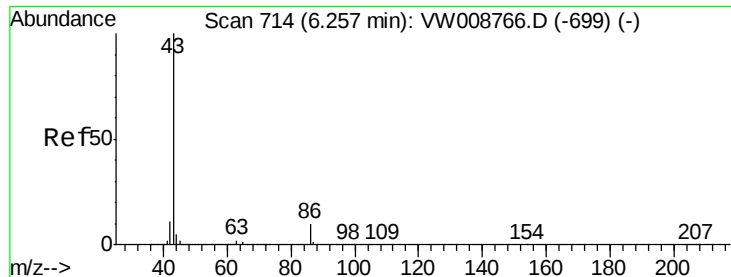
Delta R.T. 0.00 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

Tgt Ion:	45	Resp:	175622
Ion	Ratio	Lower	Upper
45	100		
43	56.6	46.1	69.1
87	26.9	22.2	33.4
59	11.7	10.0	15.0





#23

Vinyl Acetate

Concen: 106.344 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

VW0305SBS02

Tgt Ion: 43 Resp: 513022

Ion Ratio Lower Upper

43 100

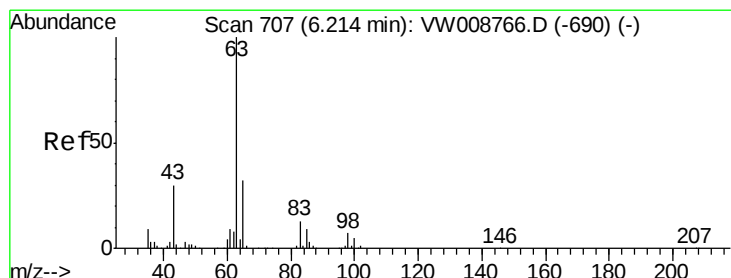
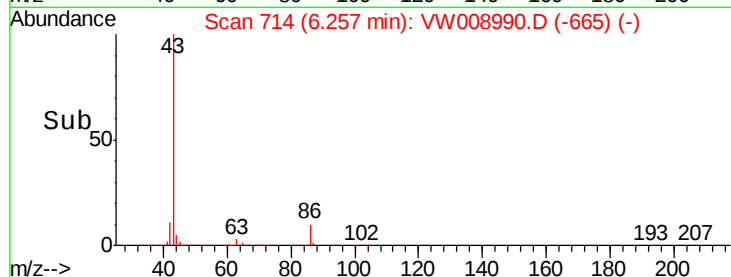
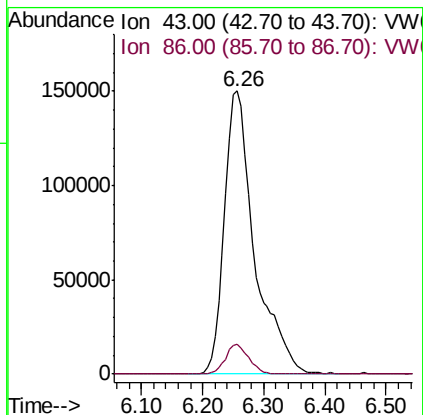
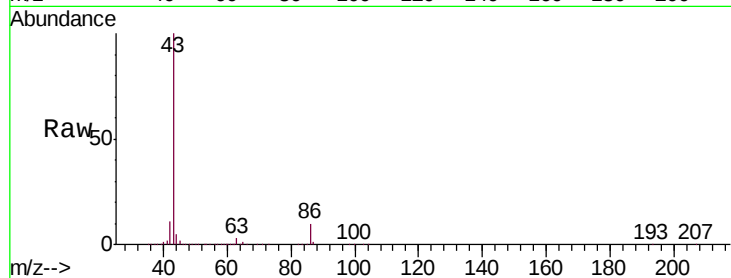
86 10.4 8.1 12.1

Manual Integrations

APPROVED

MMDadoda

3/8/2019 10:54:10 AM



#24

1,1-Dichloroethane

Concen: 23.254 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

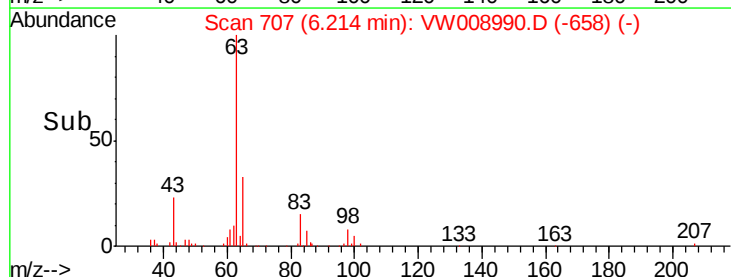
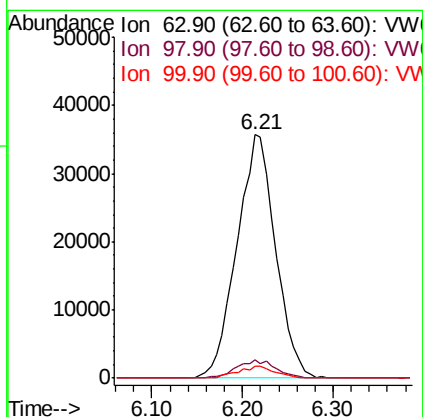
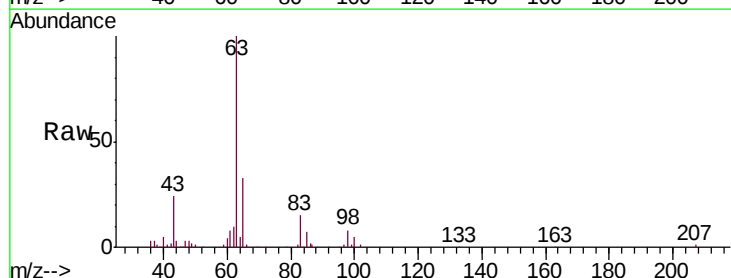
Tgt Ion: 63 Resp: 105215

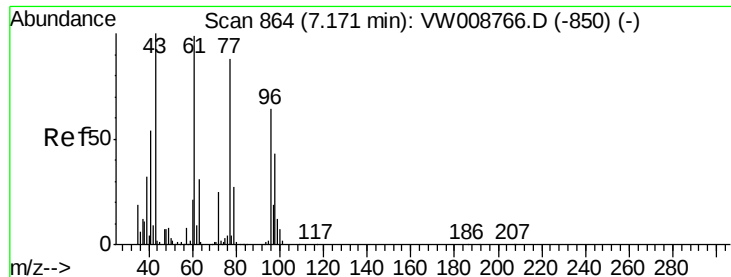
Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.6

100 5.1 2.4 7.2





#25

2-Butanone

Concen: 97.244 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

Instrument :

MSVOA_W

ClientSampled :

VW0305SBS02

Tgt Ion: 43 Resp: 76555

Ion Ratio Lower Upper

43 100

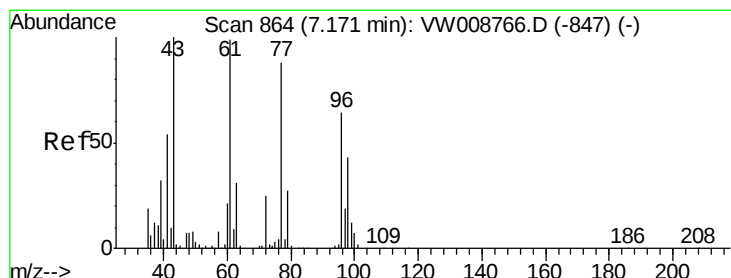
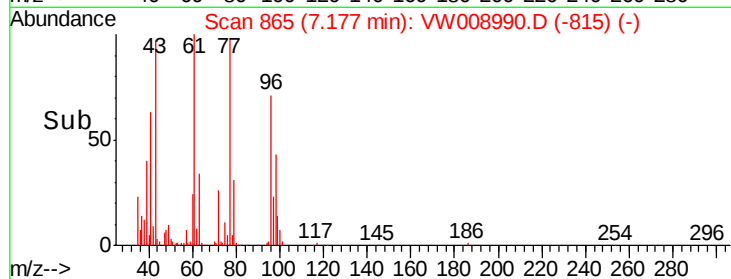
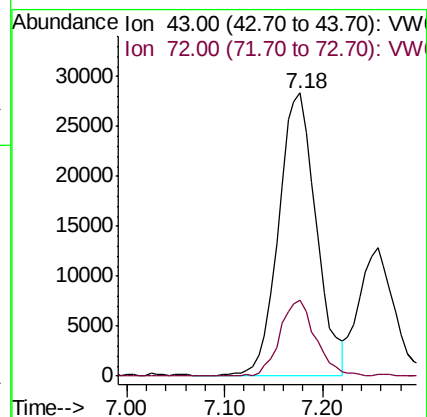
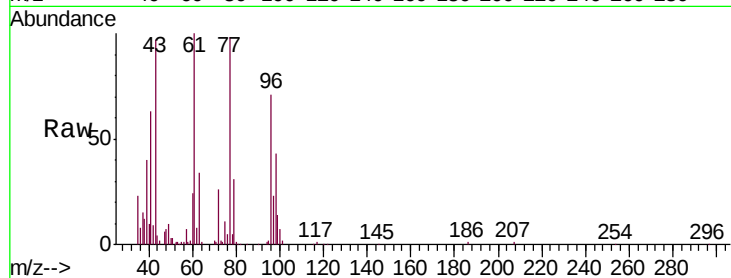
72 26.9 19.7 29.5

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3/8/2019 10:54:10 AM



#26

2,2-Dichloropropane

Concen: 24.462 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008990.D

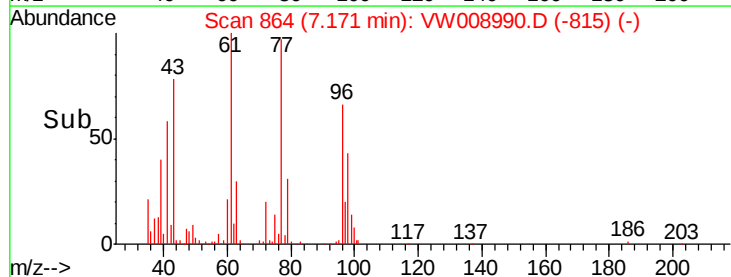
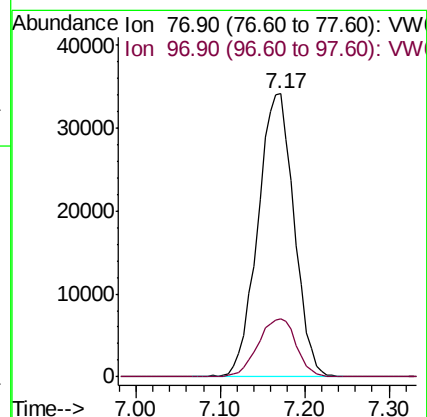
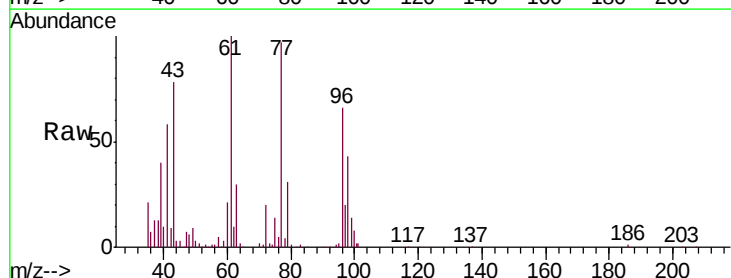
Acq: 05 Mar 2019 12:19

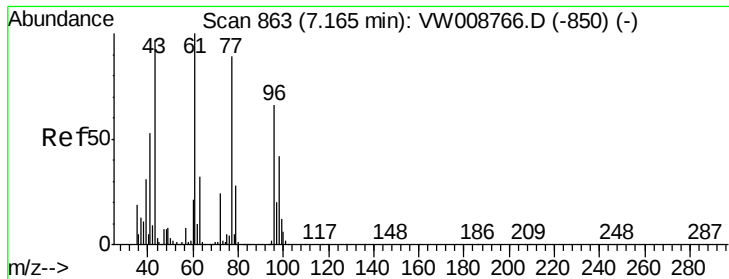
Tgt Ion: 77 Resp: 100483

Ion Ratio Lower Upper

77 100

97 21.7 11.0 33.0





#27

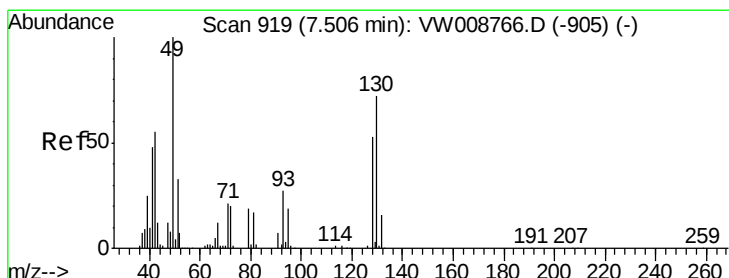
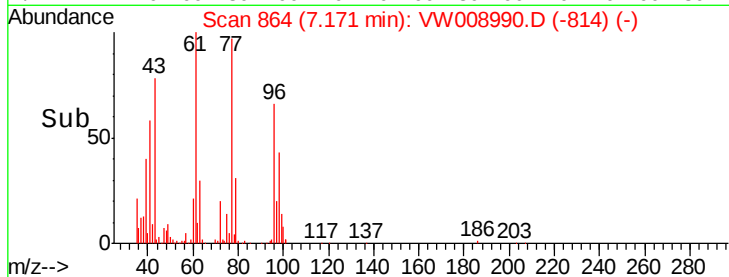
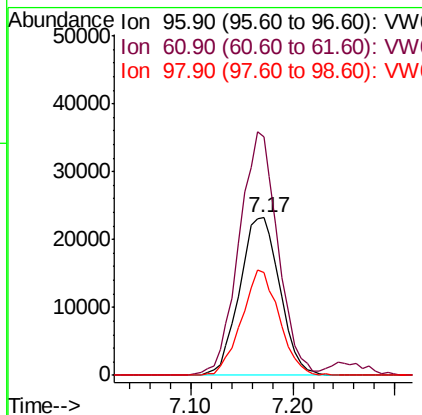
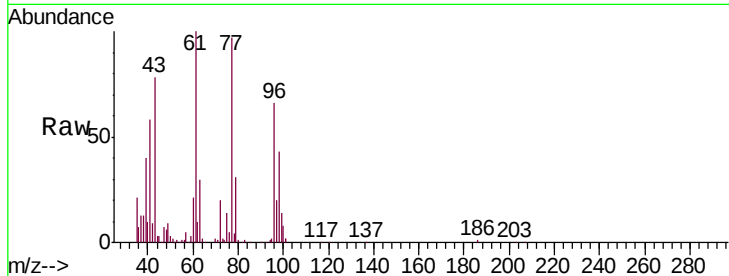
cis-1,2-Dichloroethene
Concen: 22.702 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.9	0.0	302.6
98	62.3	0.0	130.0

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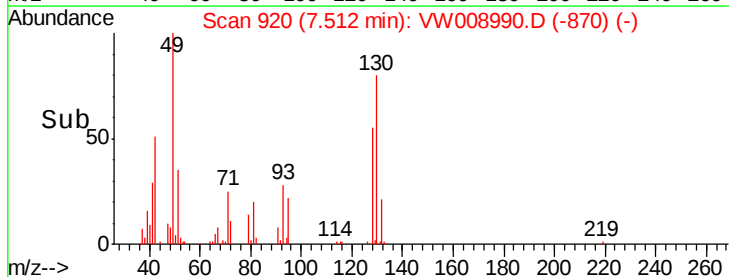
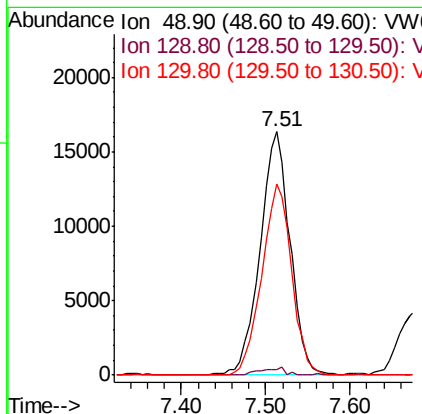
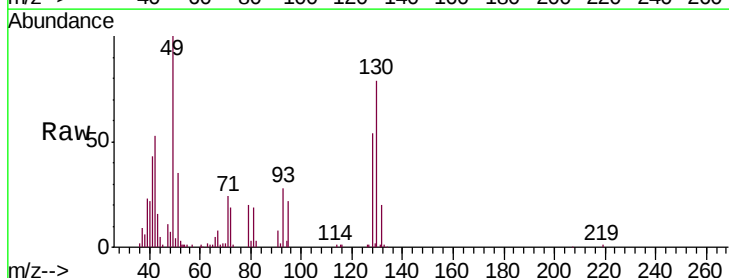
MMDadoda
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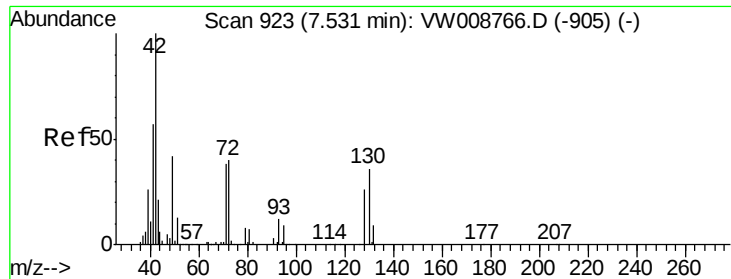


#28

Bromochloromethane
Concen: 21.145 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	2.6
130	77.8	61.3	91.9





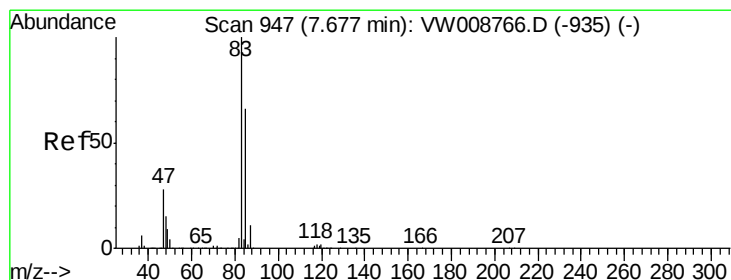
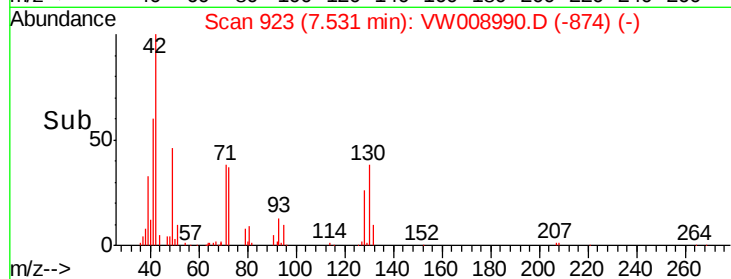
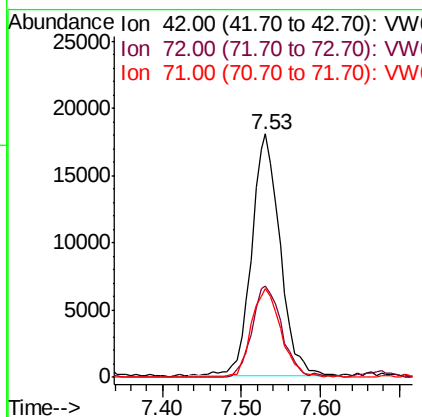
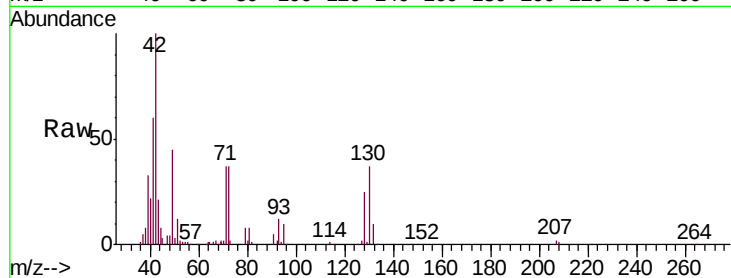
#29
Tetrahydrofuran
Concen: 90.339 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	39.4	32.7	49.1
71	38.0	31.3	46.9

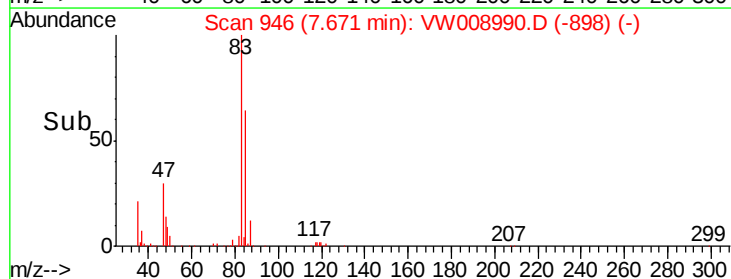
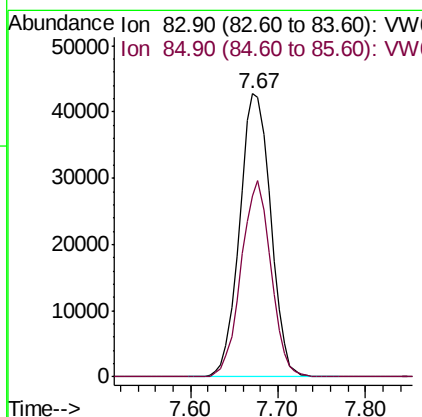
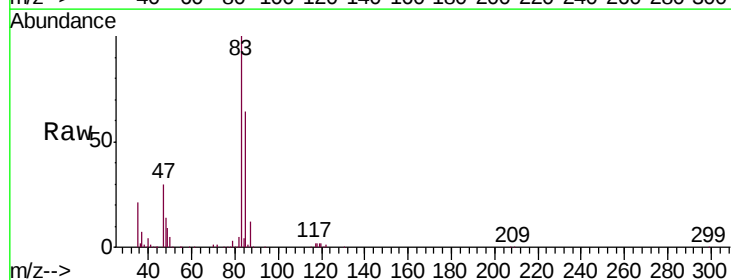
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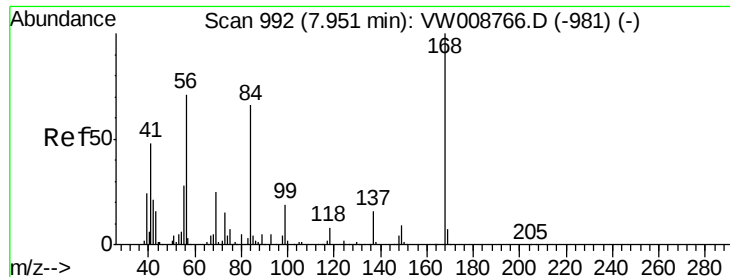
MMDadoda
3/8/2019 10:54:10 AM



#30
Chloroform
Concen: 22.763 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.6	79.0





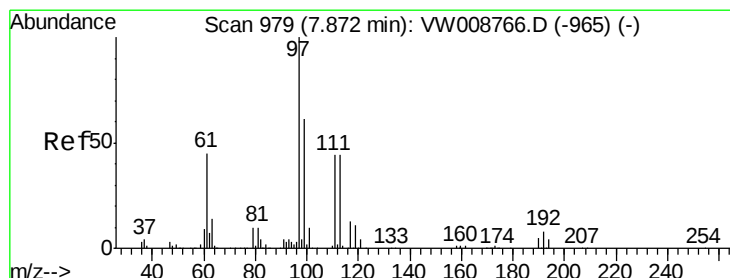
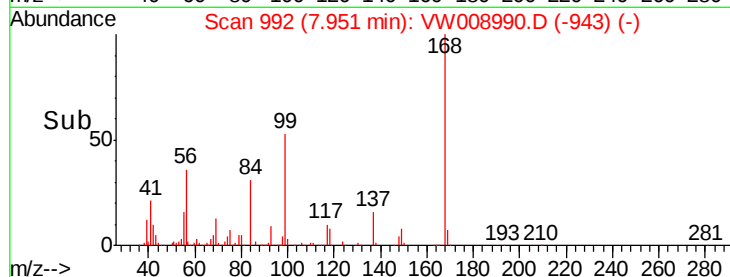
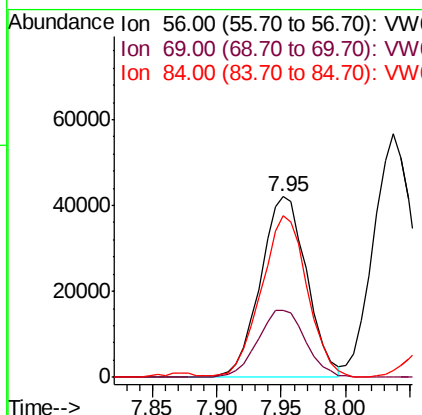
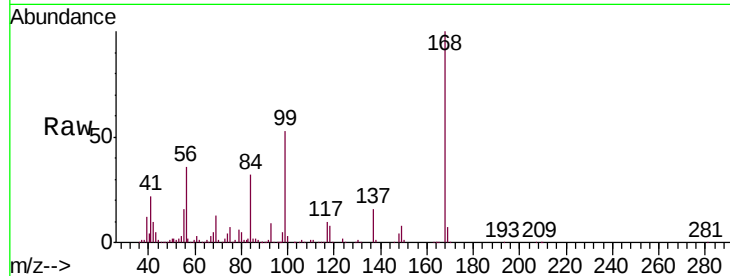
#31
Cyclohexane
Concen: 22.972 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS02

Tgt Ion	Ratio	Lower	Upper
56	100		
69	37.4	28.2	42.4
84	87.2	74.1	111.1

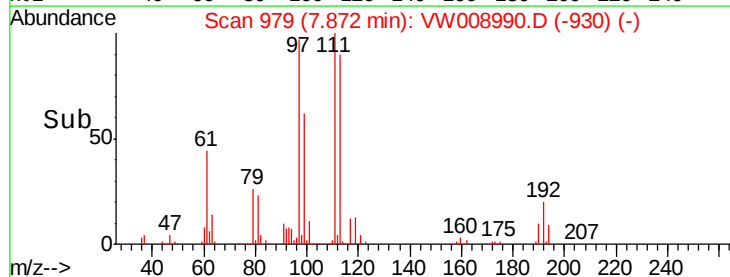
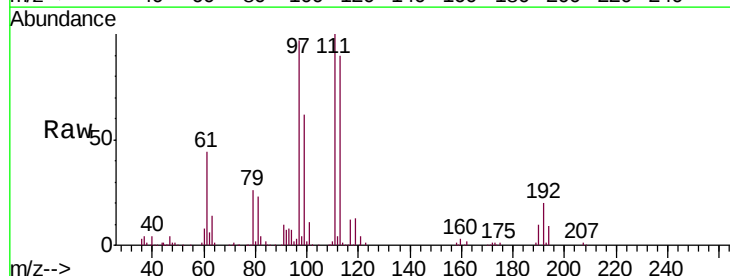
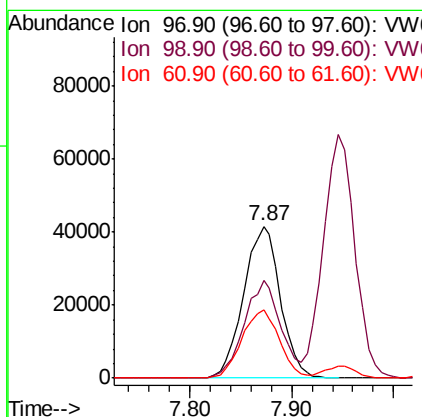
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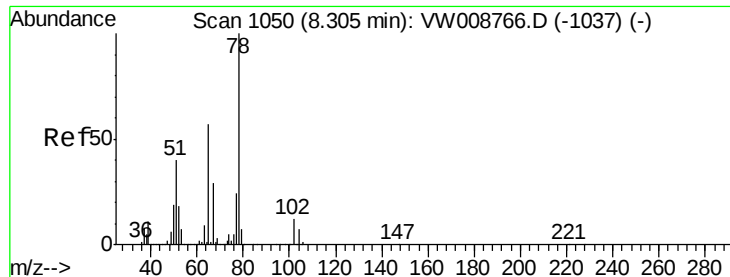
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3/8/2019 10:54:10 AM



#32
1,1,1-Trichloroethane
Concen: 24.684 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.8	76.2
61	45.9	36.0	54.0





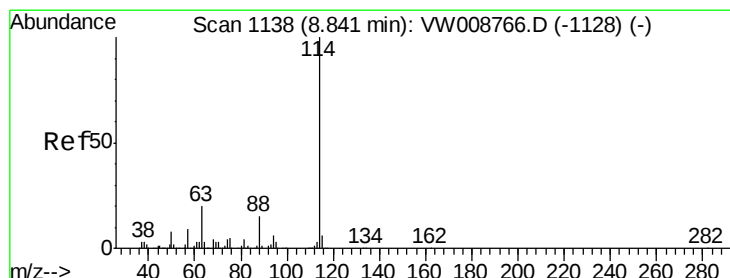
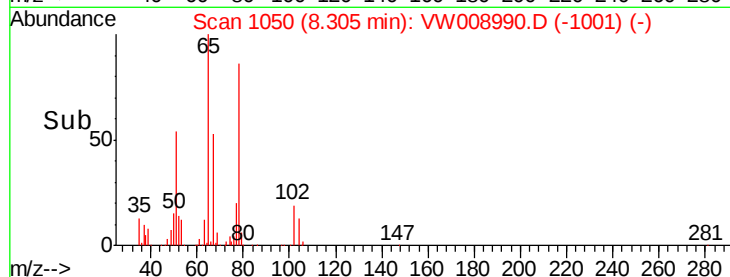
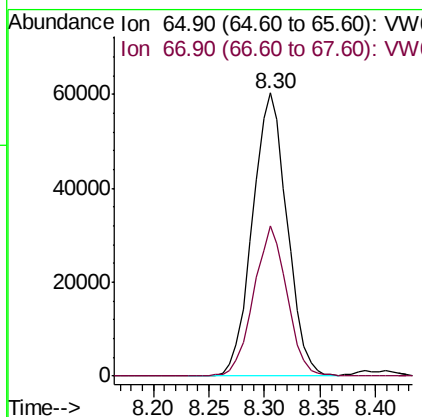
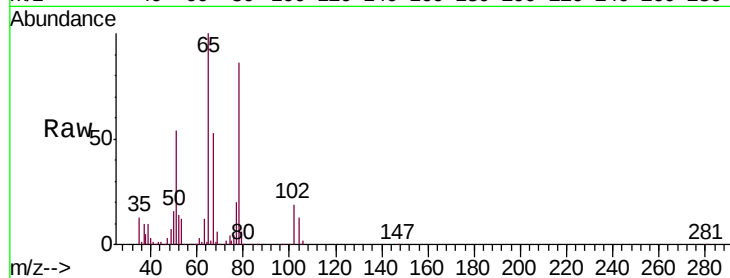
#33
 1,2-Dichloroethane-d4
 Concen: 53.660 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	130359		
67	51.2	0.0	101.4	

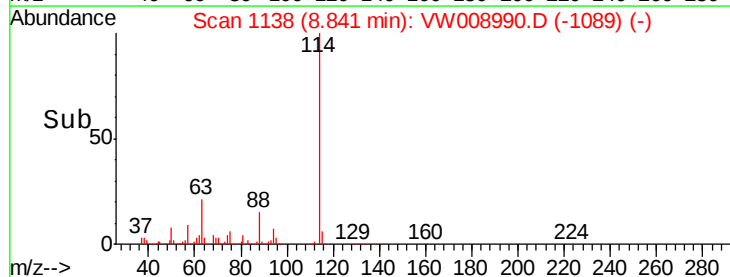
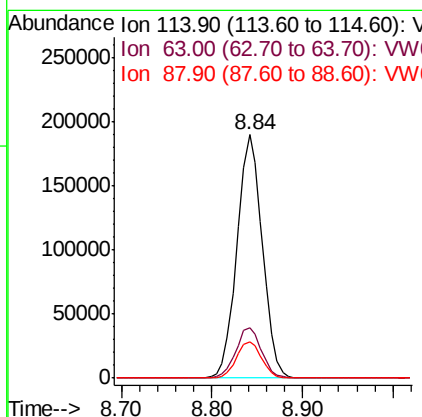
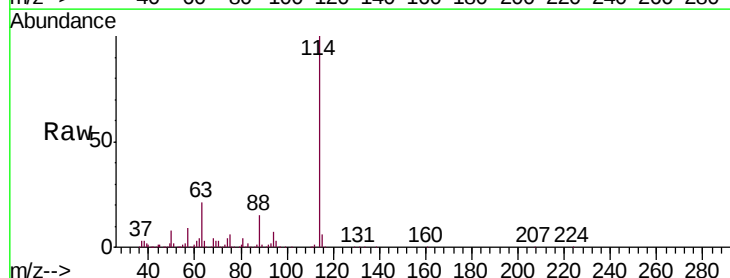
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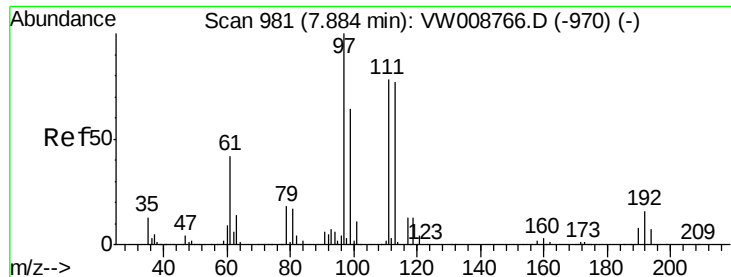
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 3/8/2019 10:54:10 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	366972		
63	20.9	0.0	40.8	
88	14.7	0.0	30.4	





#35

Dibromofluoromethane

Concen: 53.743 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

Instrument :

MSVOA_W

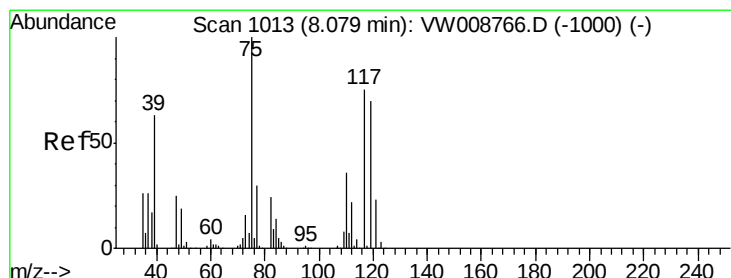
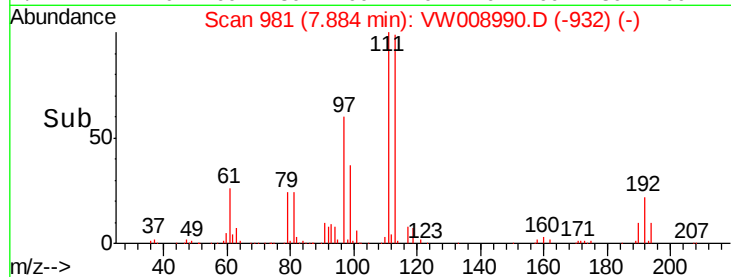
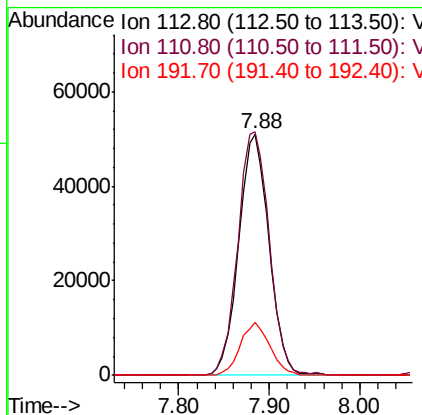
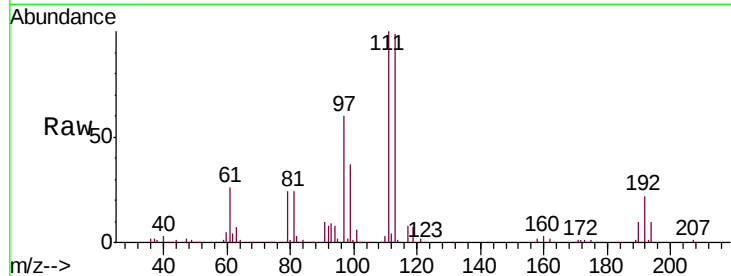
ClientSampleId :

VW0305SBS02

Tgt Ion:	113	Resp:	118413
Ion Ratio	Lower	Upper	
113	100		
111	105.0	81.9	122.9
192	21.5	17.1	25.7

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#36

1,1-Dichloropropene

Concen: 25.275 ug/l

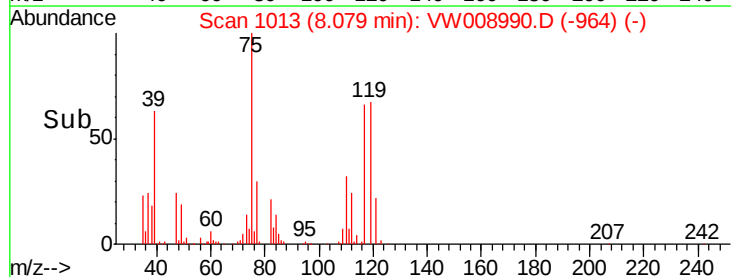
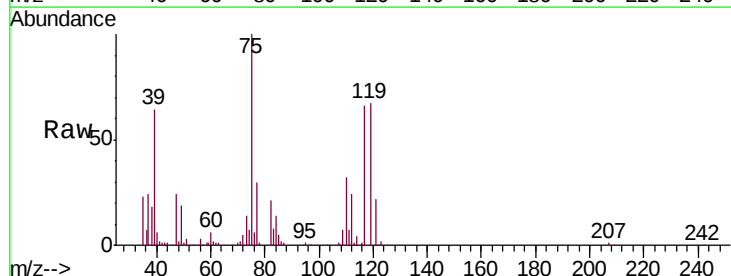
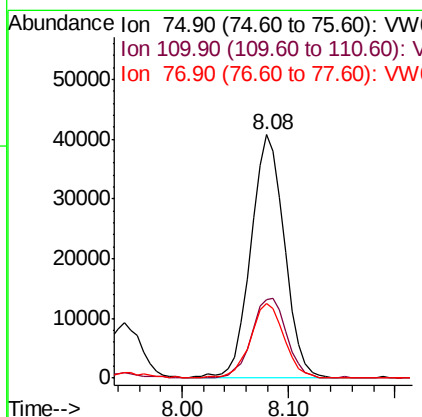
RT: 8.08 min Scan# 1013

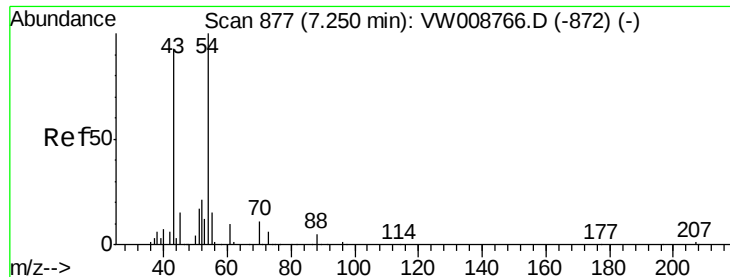
Delta R.T. 0.00 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

Tgt Ion:	75	Resp:	90287
Ion Ratio	Lower	Upper	
75	100		
110	34.3	17.5	52.6
77	30.8	24.5	36.7





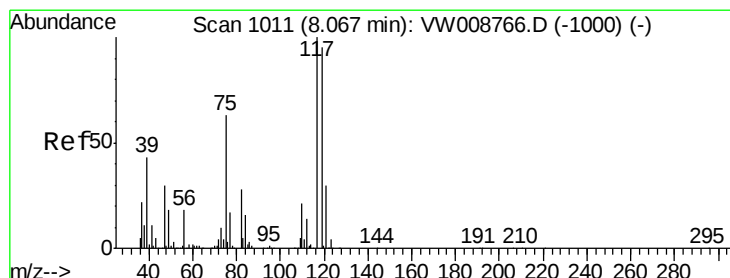
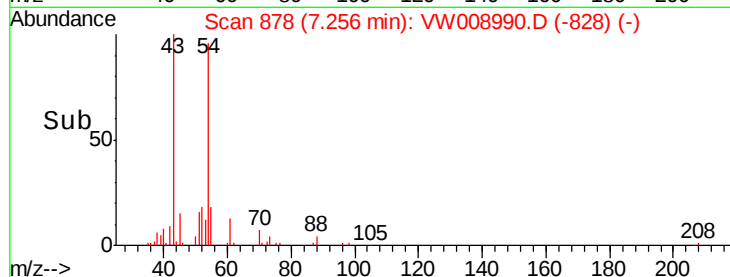
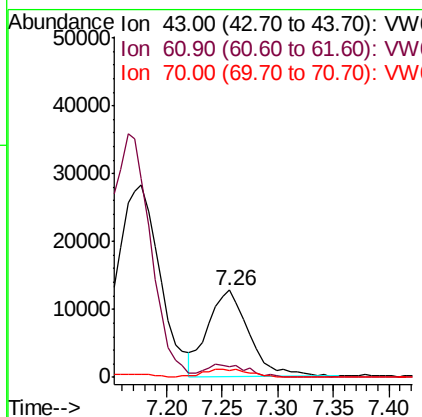
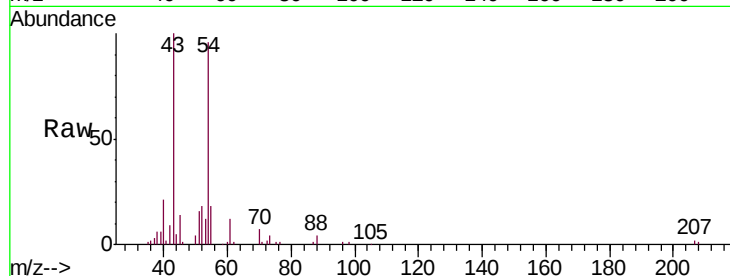
#37
Ethyl Acetate
Concen: 19.486 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.9	9.8	14.8#
70	10.8	8.4	12.6

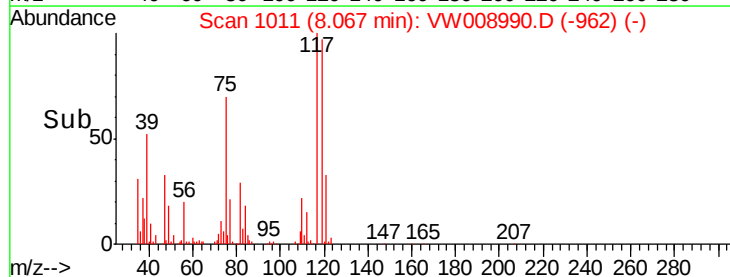
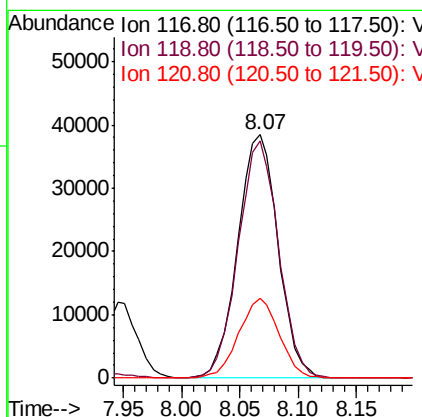
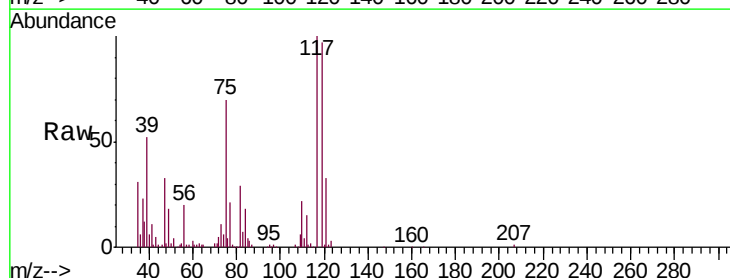
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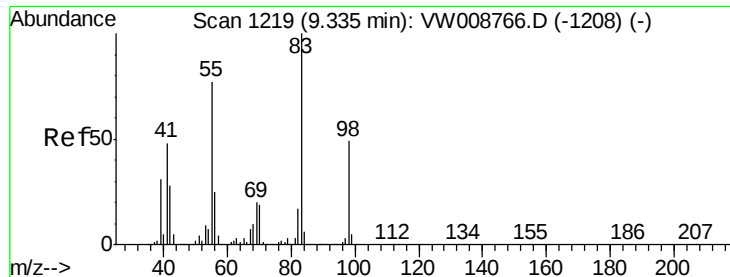
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#38
Carbon Tetrachloride
Concen: 24.649 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.1	114.1
121	32.6	24.0	36.0





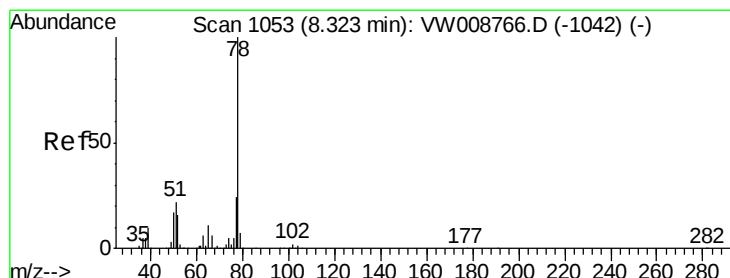
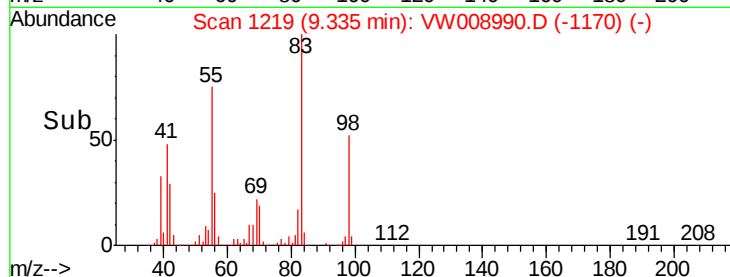
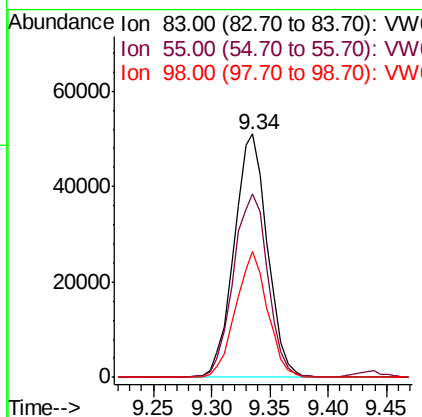
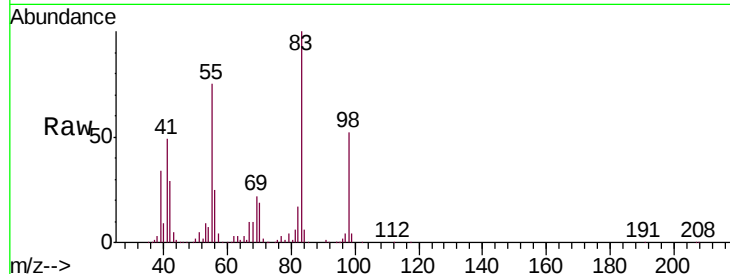
#39
Methylcyclohexane
Concen: 22.708 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	101180		
55	75.2	61.2	91.8	
98	51.5	39.4	59.2	

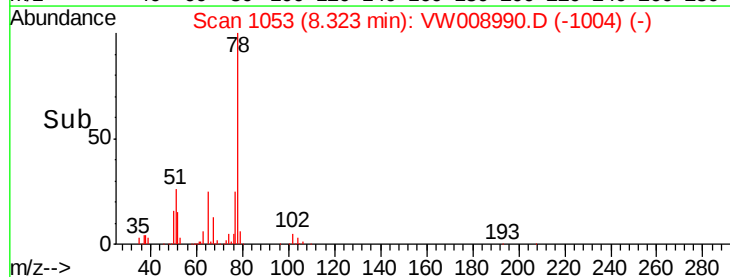
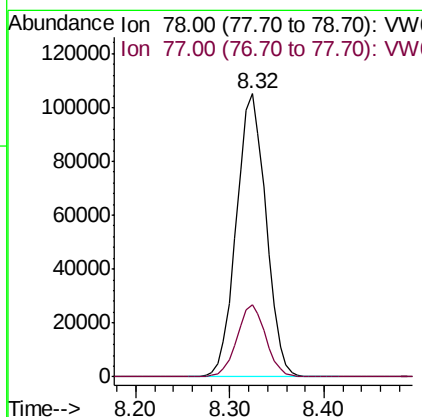
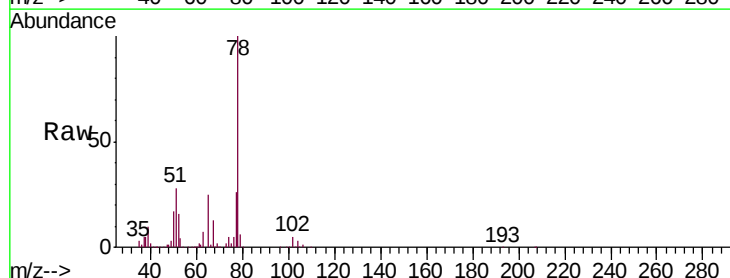
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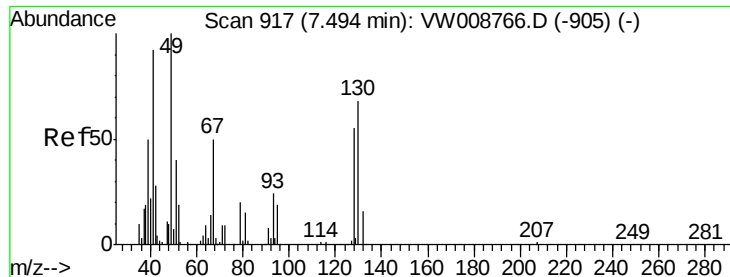
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#40
Benzene
Concen: 23.675 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	230914		
77	25.7	19.3	28.9	





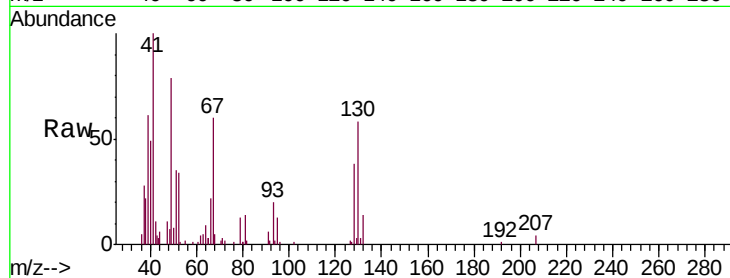
#41
Methacrylonitrile
Concen: 18.442 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.01 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Instrument :
MSVOA_W
ClientSampled :
VW0305SBS02

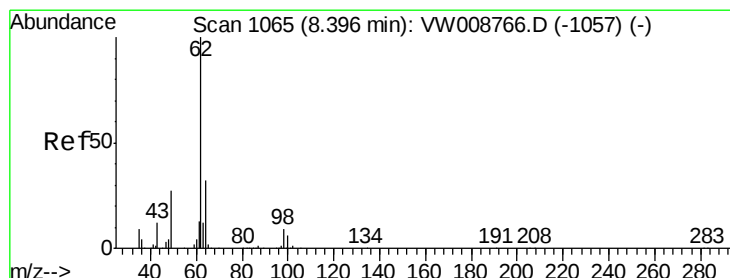
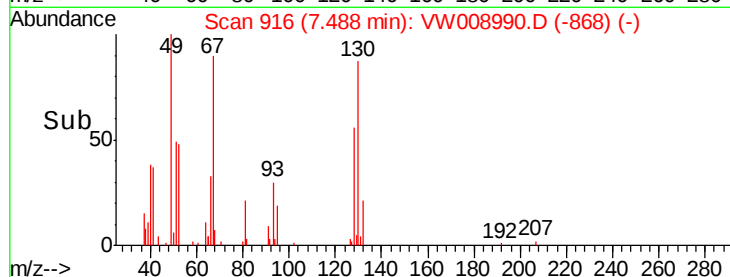
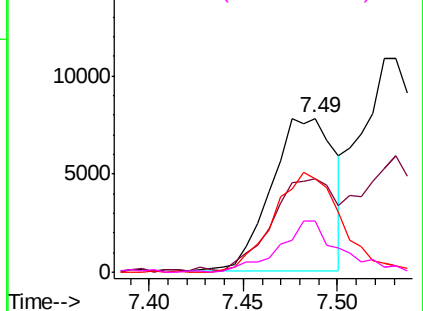
Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.2	52.5	78.7
67	71.4	55.0	82.6
52	33.6	26.9	40.3

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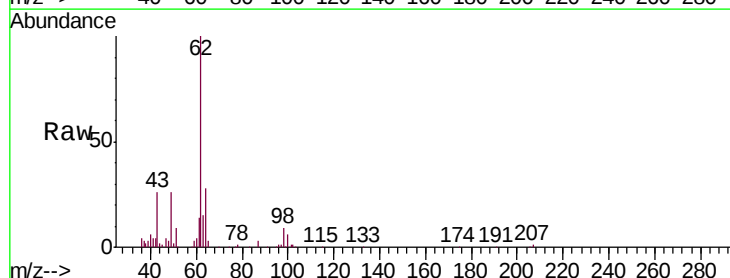


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

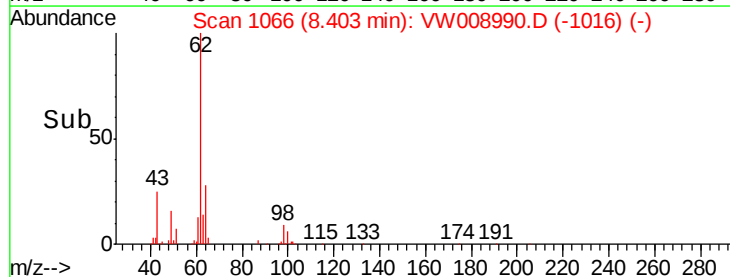
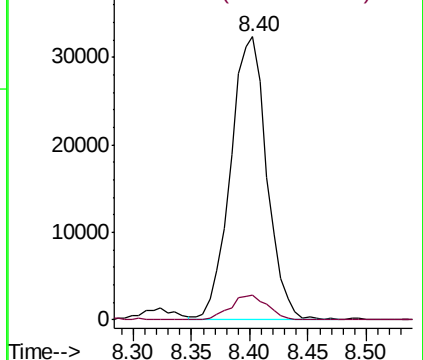


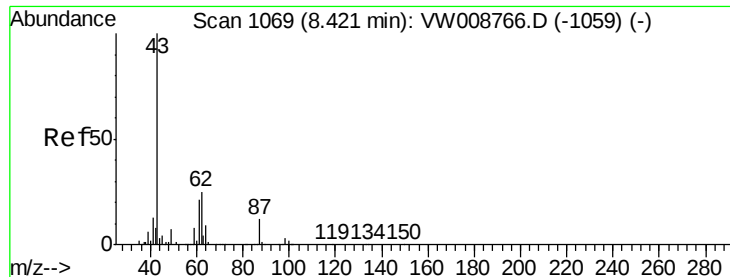
#42
1,2-Dichloroethane
Concen: 22.779 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.2



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 19.327 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

Instrument :

MSVOA_W

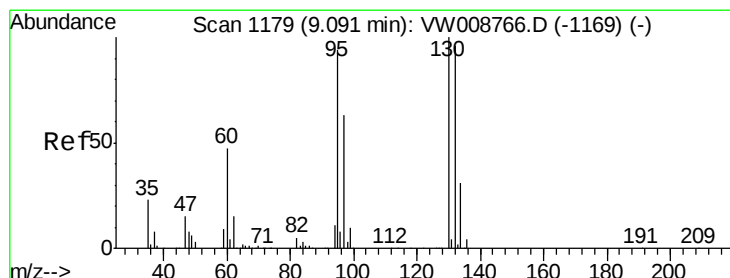
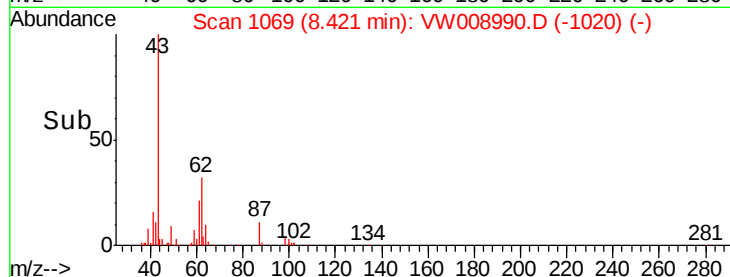
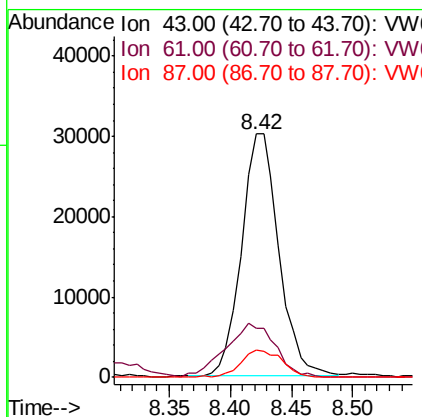
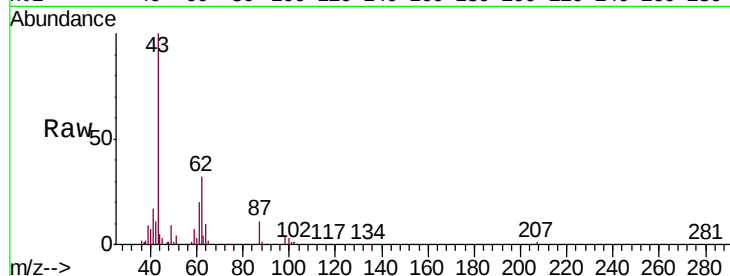
ClientSampleId :

VW0305SBS02

Tgt Ion:	43	Resp:	64075
Ion	Ratio	Lower	Upper
43	100		
61	29.5	23.2	34.8
87	12.6	9.9	14.9

Manual Integrations
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MMDadoda
3/8/2019 10:54:10 AM



#44

Trichloroethene

Concen: 24.413 ug/l

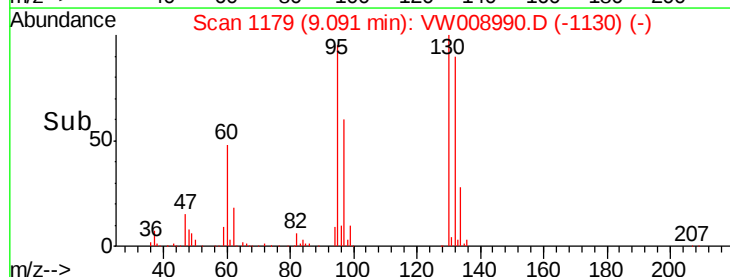
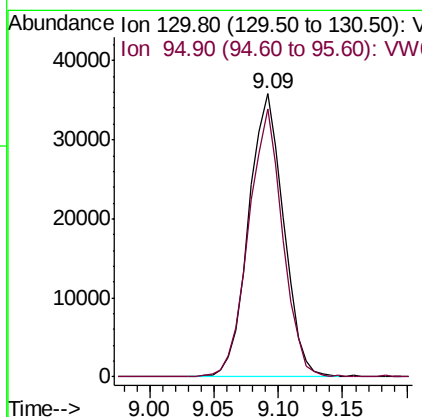
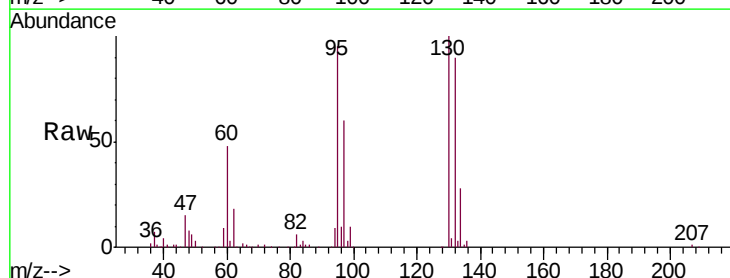
RT: 9.09 min Scan# 1179

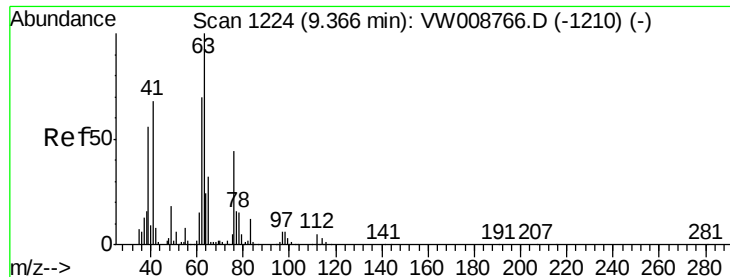
Delta R.T. -0.00 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

Tgt Ion:	130	Resp:	67078
Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	188.6





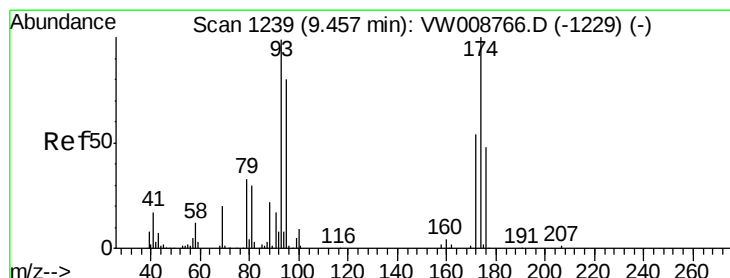
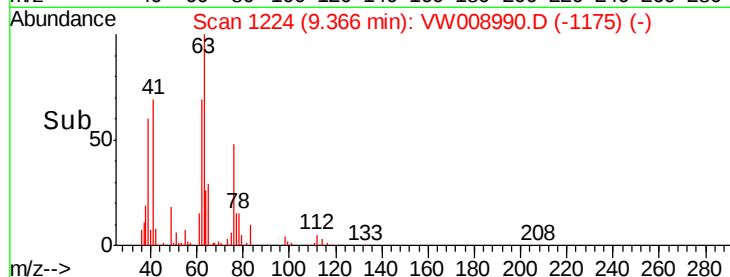
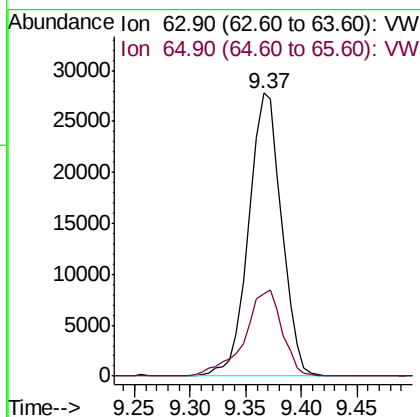
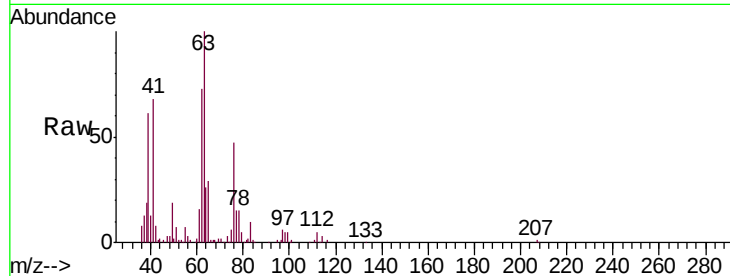
#45
 1,2-Dichloropropane
 Concen: 23.829 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBS02

Tgt Ion: 63 Resp: 57432
 Ion Ratio Lower Upper
 63 100
 65 29.1 25.5 38.3

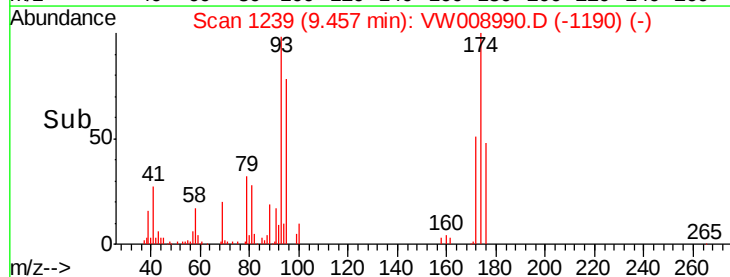
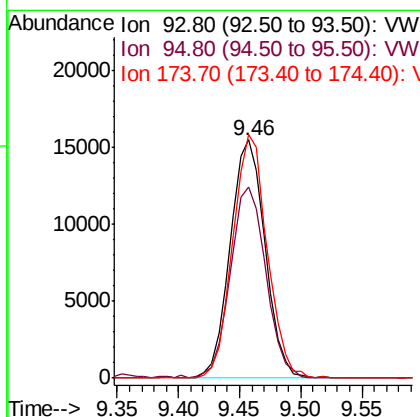
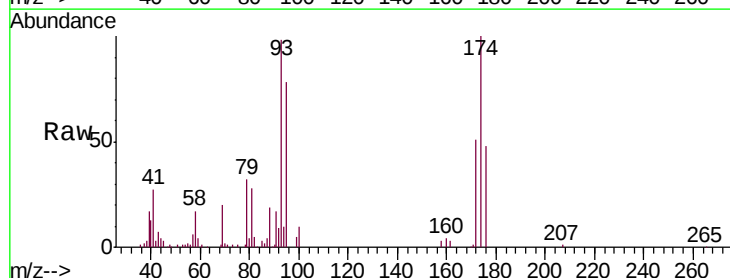
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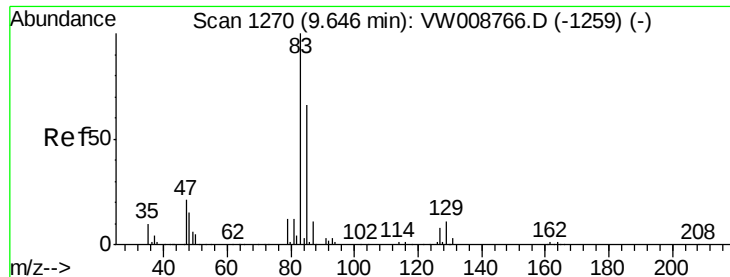
MMDadoda
 3/8/2019 10:54:10 AM



#46
 Dibromomethane
 Concen: 22.770 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

Tgt Ion: 93 Resp: 30526
 Ion Ratio Lower Upper
 93 100
 95 81.4 67.7 101.5
 174 100.6 86.7 130.1





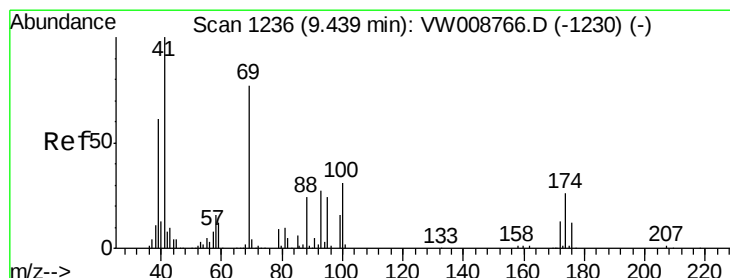
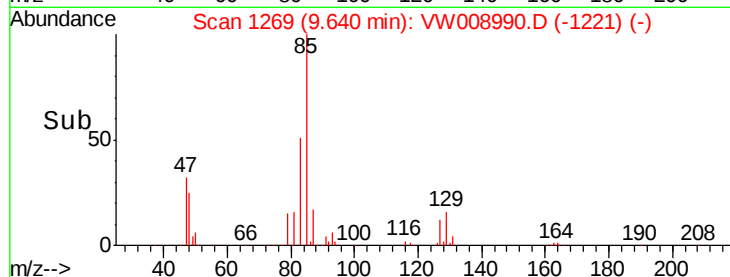
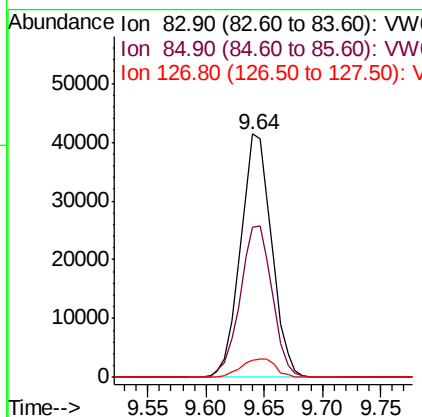
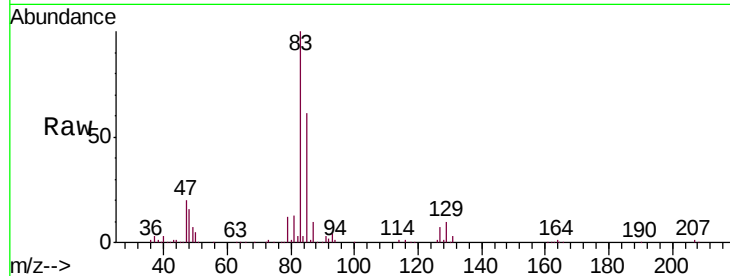
#47
Bromodichloromethane
Concen: 23.745 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.4	52.5	78.7
127	7.3	6.7	10.1

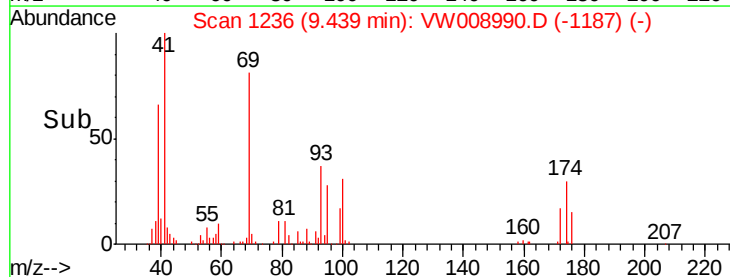
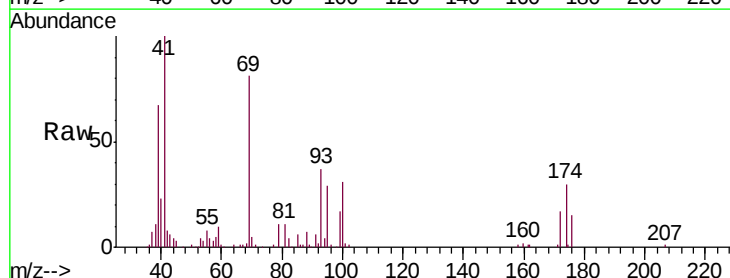
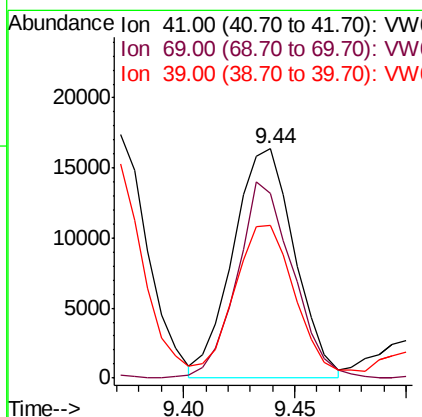
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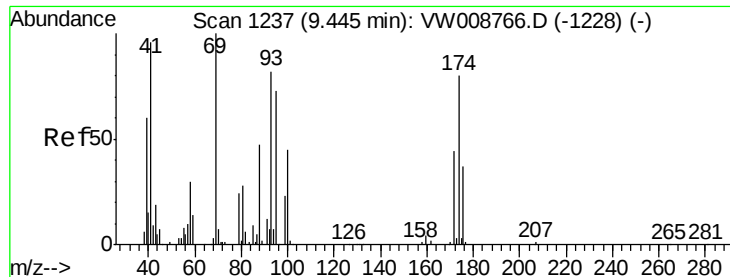
MMDadoda
3/8/2019 10:54:10 AM



#48
Methyl methacrylate
Concen: 19.730 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.1	63.6	95.4
39	60.3	52.1	78.1





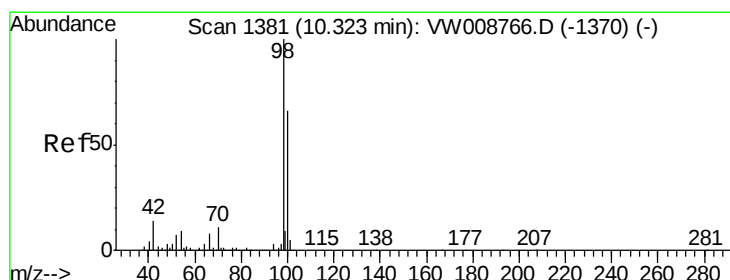
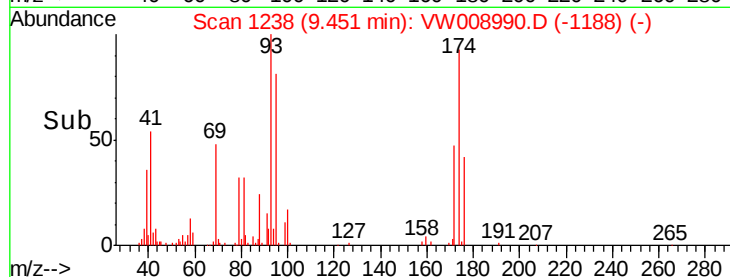
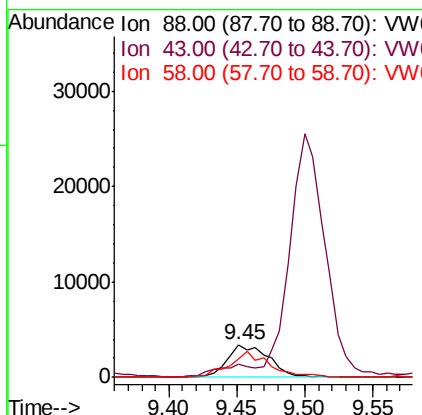
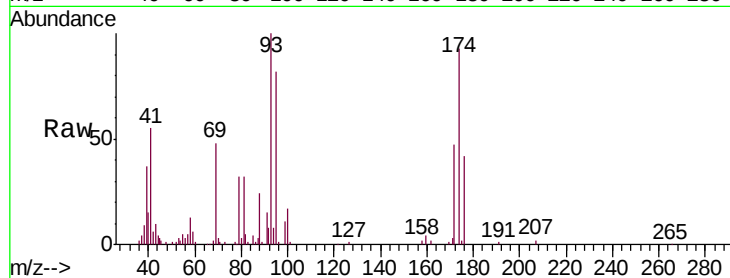
#49
1,4-Dioxane
Concen: 338.813 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	36.8	29.0	43.4
58	78.3	52.0	78.0#

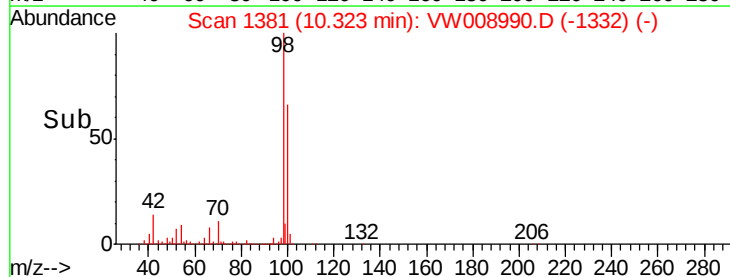
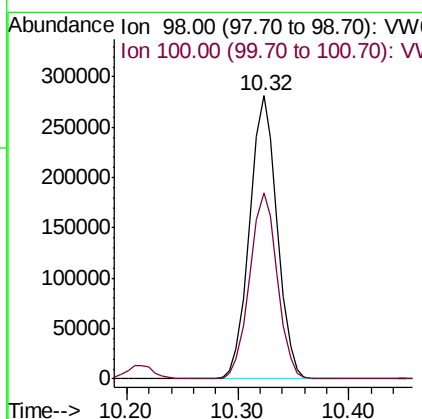
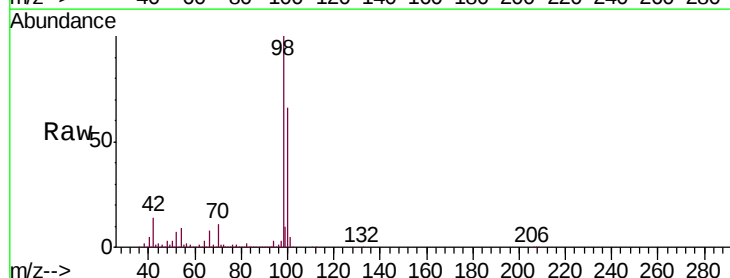
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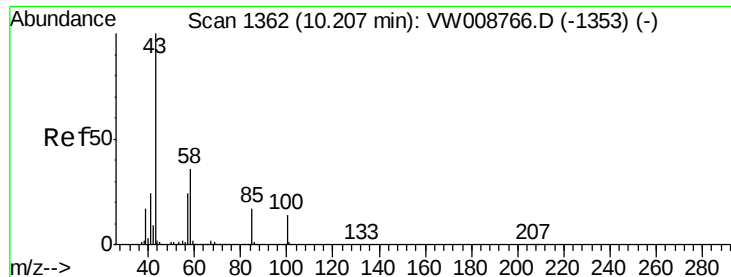
MMDadoda
3/8/2019 10:54:10 AM



#50
Toluene-d8
Concen: 56.858 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.4	78.6





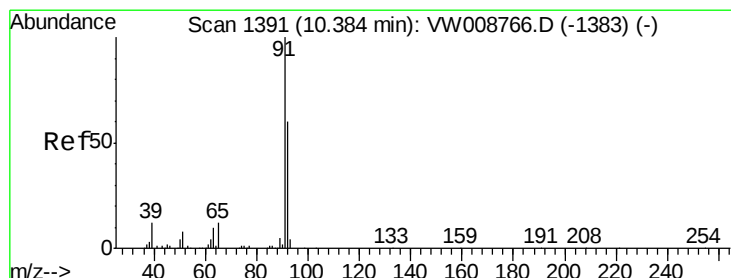
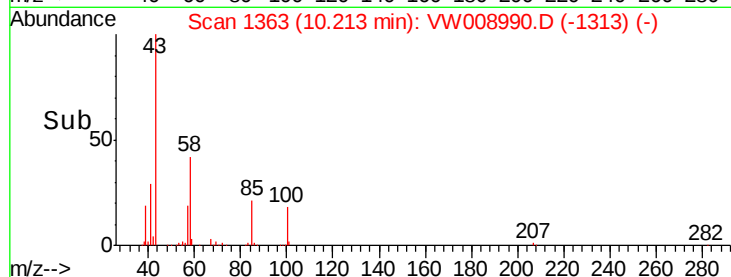
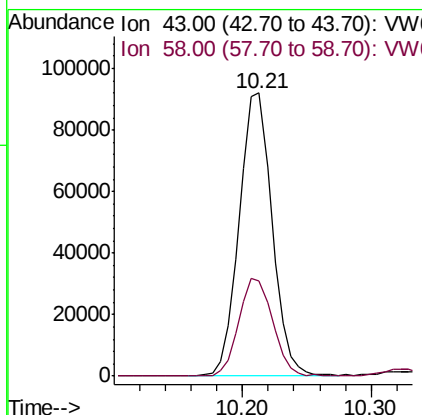
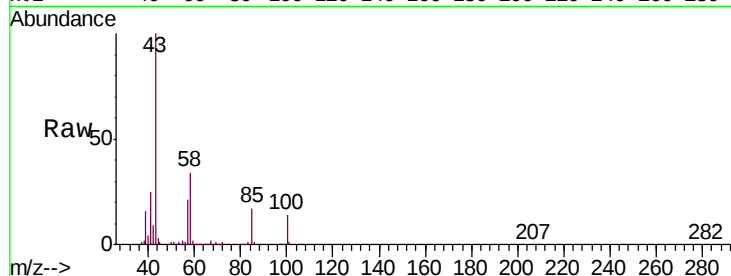
#51
4-Methyl-2-Pentanone
Concen: 96.928 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Instrument :
MSVOA_W
ClientSampled :
VW0305SBS02

Tgt Ion: 43 Resp: 163151
Ion Ratio Lower Upper
43 100
58 35.6 29.1 43.7

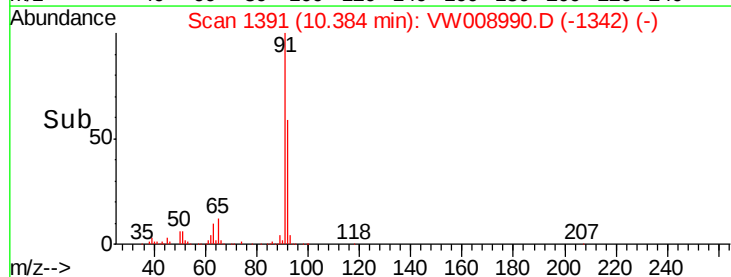
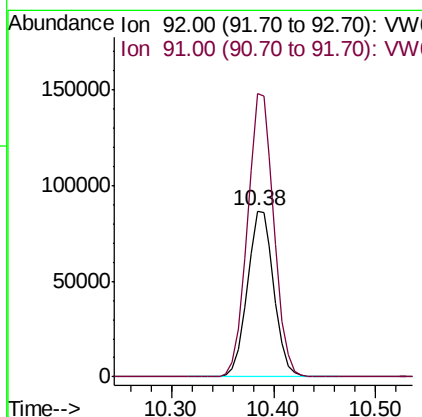
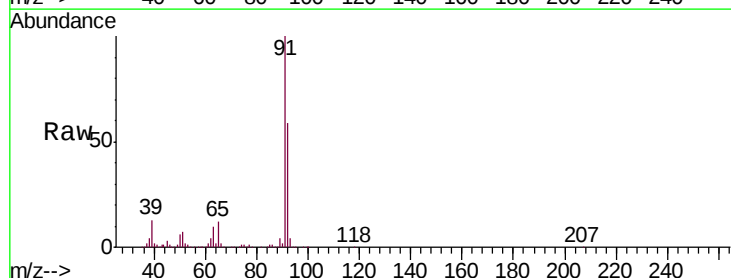
Manual Integrations
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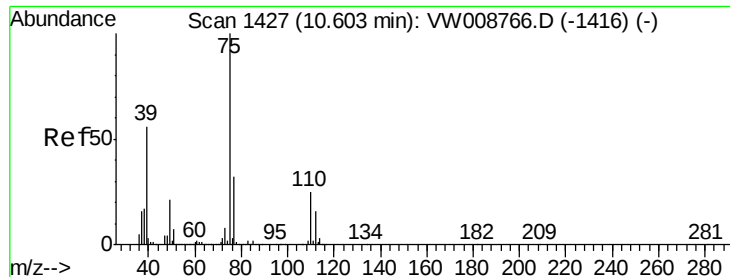
MMDadoda
3/8/2019 10:54:10 AM



#52
Toluene
Concen: 23.586 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion: 92 Resp: 156124
Ion Ratio Lower Upper
92 100
91 170.8 136.9 205.3





#53

t-1,3-Dichloropropene

Concen: 22.006 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

VW0305SBS02

Tgt Ion: 75 Resp: 73162

Ion Ratio Lower Upper

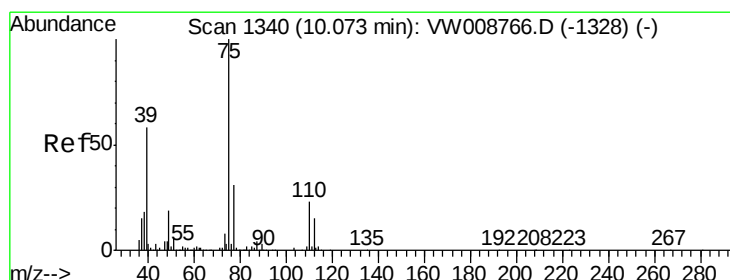
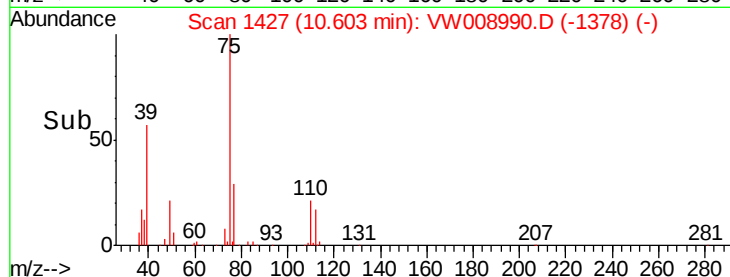
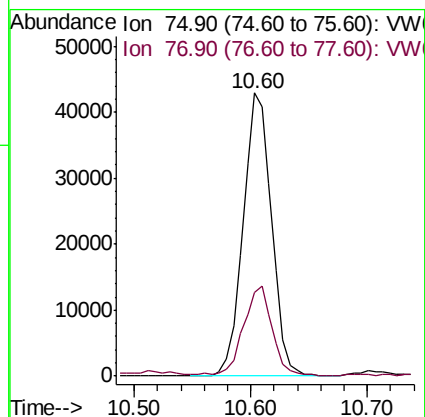
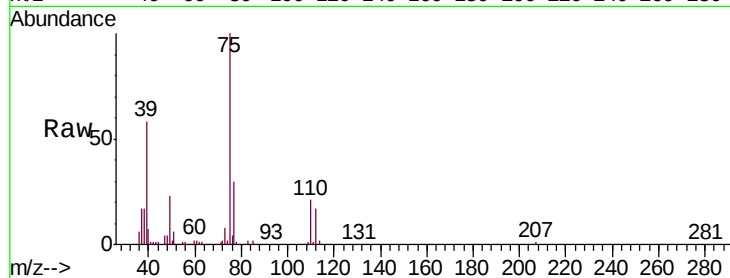
75 100

77 29.3 26.1 39.1

Manual Integrations
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3/8/2019 10:54:10 AM



#54

cis-1,3-Dichloropropene

Concen: 22.703 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

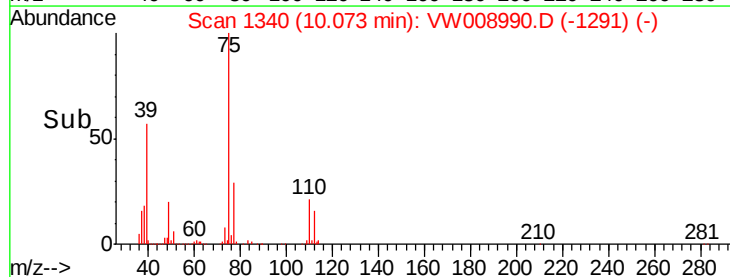
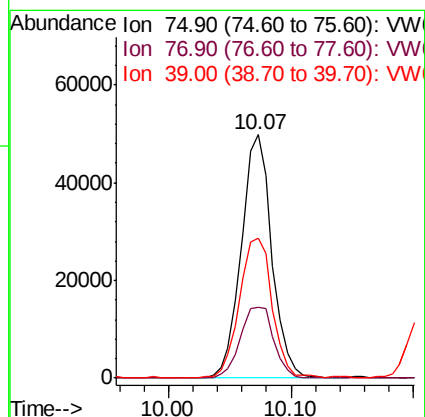
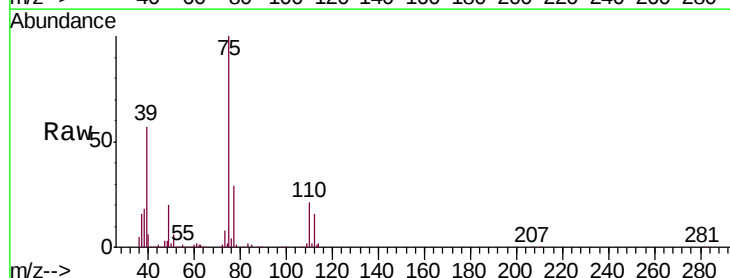
Tgt Ion: 75 Resp: 86086

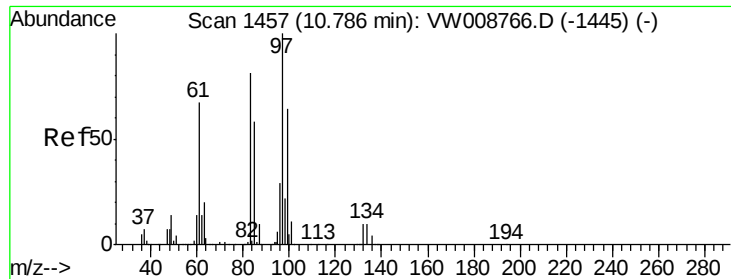
Ion Ratio Lower Upper

75 100

77 29.1 25.0 37.4

39 57.1 46.6 70.0





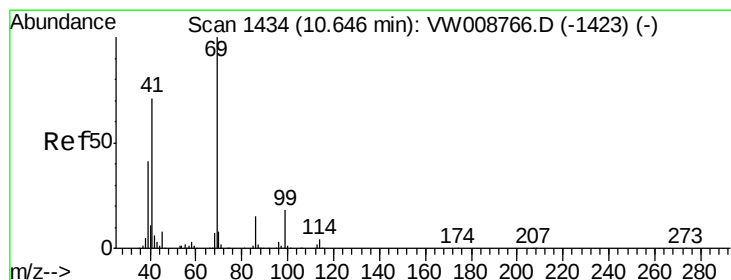
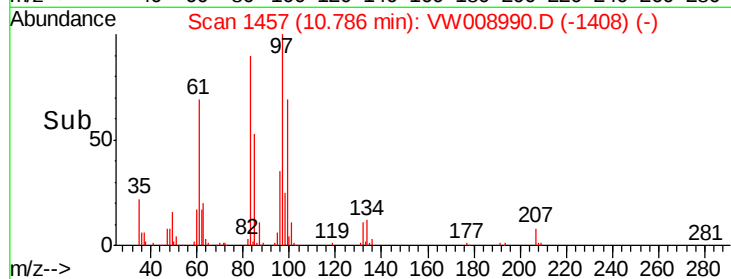
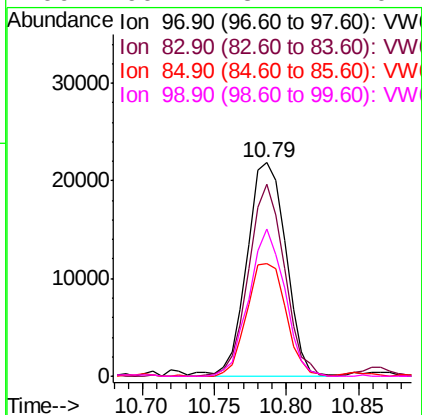
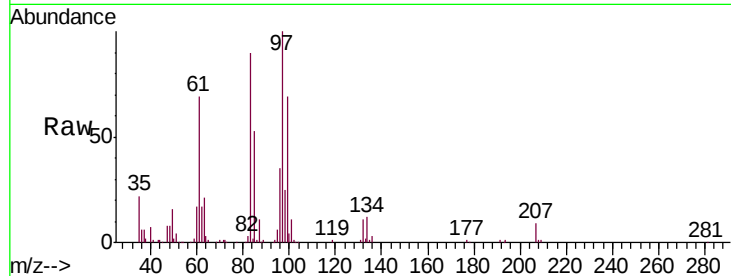
#55
 1,1,2-Trichloroethane
 Concen: 22.541 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBS02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.5	65.0	97.6
85	53.3	46.0	69.0
99	69.1	51.1	76.7

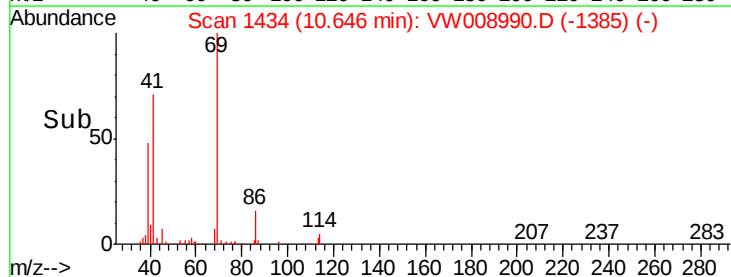
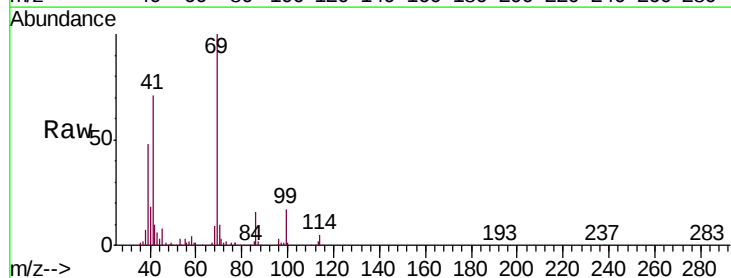
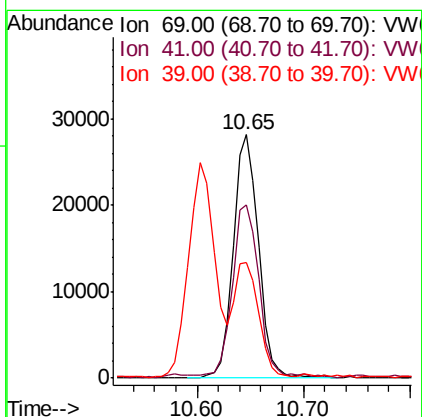
Manual Integrations
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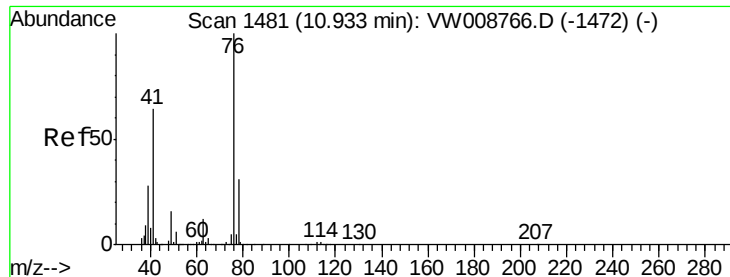
MMDadoda
 3/8/2019 10:54:10 AM



#56
 Ethyl methacrylate
 Concen: 19.846 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

Tgt Ion	Ratio	Lower	Upper
69	100		
41	75.0	57.4	86.0
39	45.2	34.8	52.2





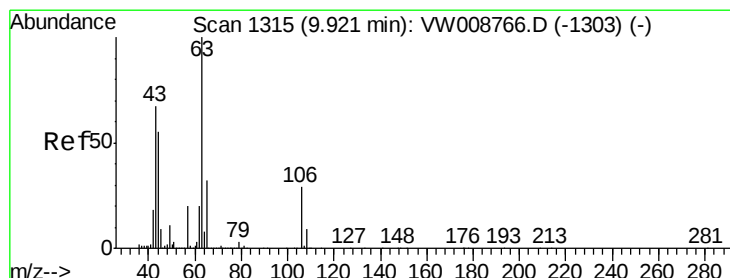
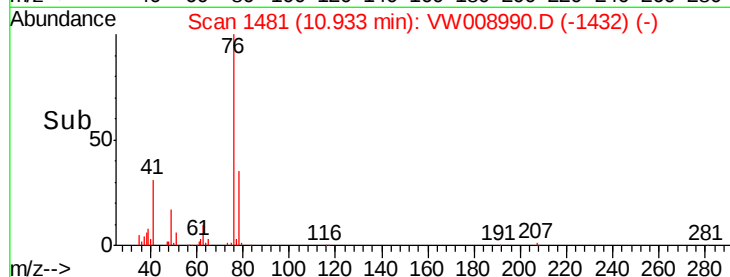
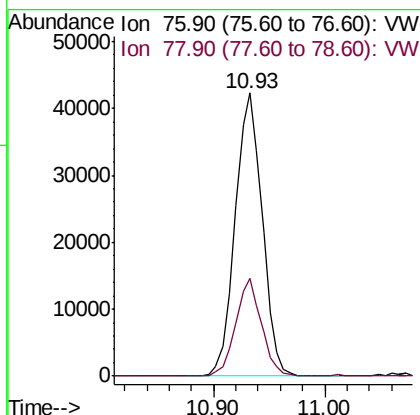
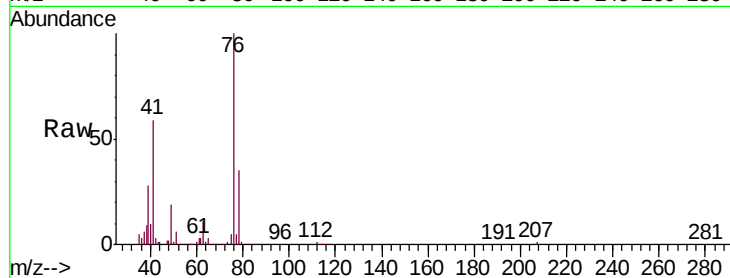
#57
 1,3-Dichloropropane
 Concen: 22.132 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBS02

Tgt Ion: 76 Resp: 71046
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.8 38.8

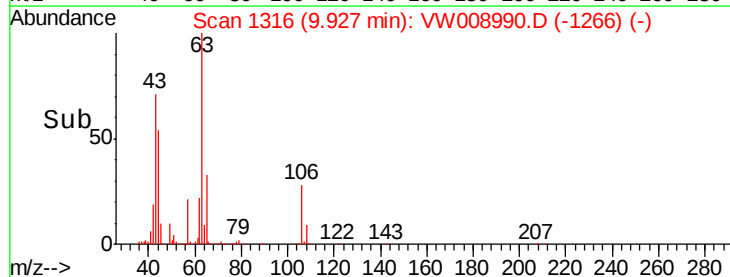
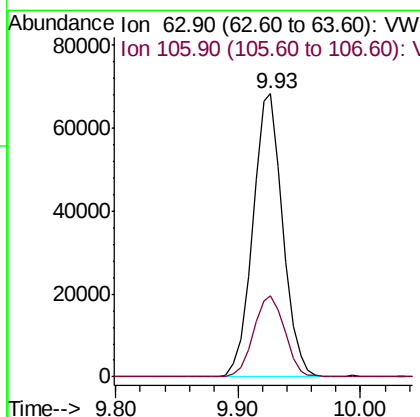
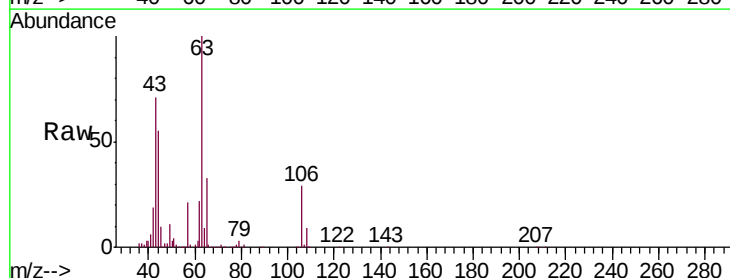
Manual Integrations
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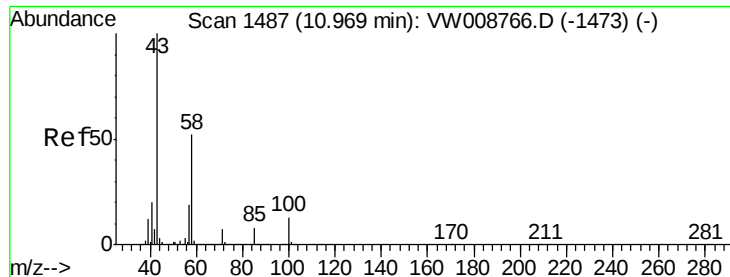
MMDadoda
 3/8/2019 10:54:10 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.029 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

Tgt Ion: 63 Resp: 116460
 Ion Ratio Lower Upper
 63 100
 106 29.8 24.0 36.0





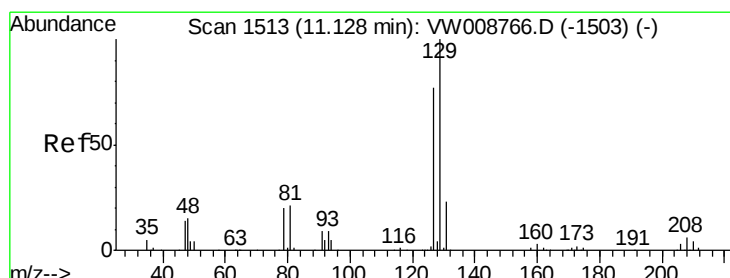
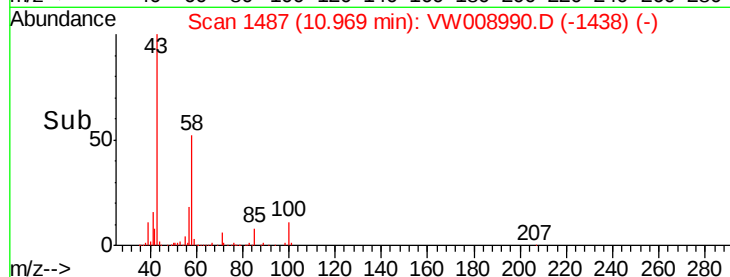
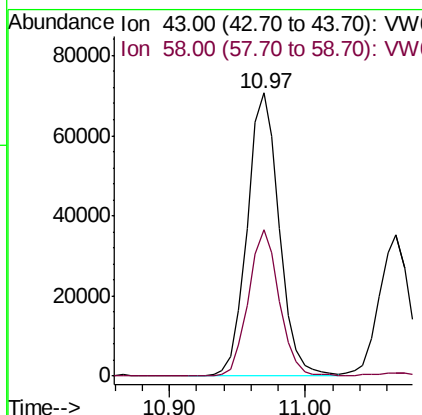
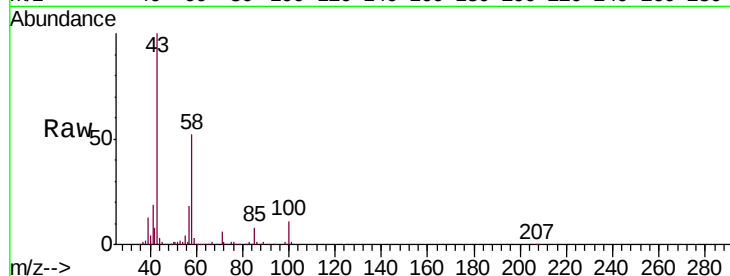
#59
2-Hexanone
Concen: 96.863 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Instrument :
MSVOA_W
ClientSampled :
VW0305SBS02

Tgt Ion: 43 Resp: 116059
Ion Ratio Lower Upper
43 100
58 50.3 25.3 75.8

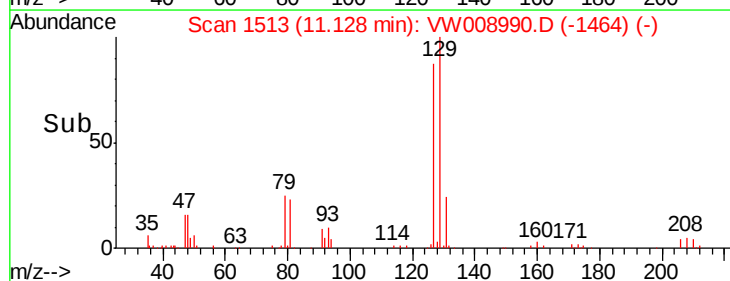
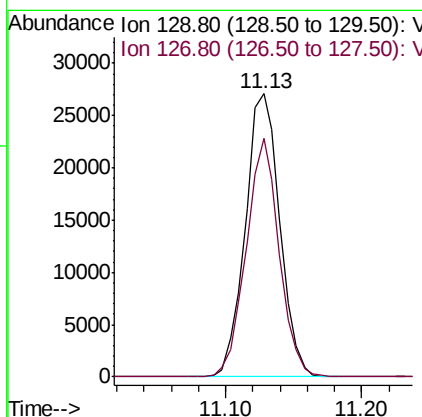
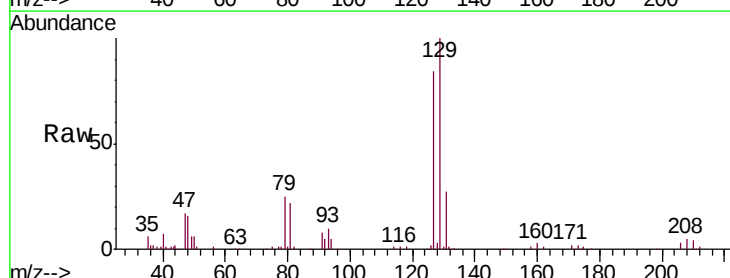
Manual Integrations
APPROVED

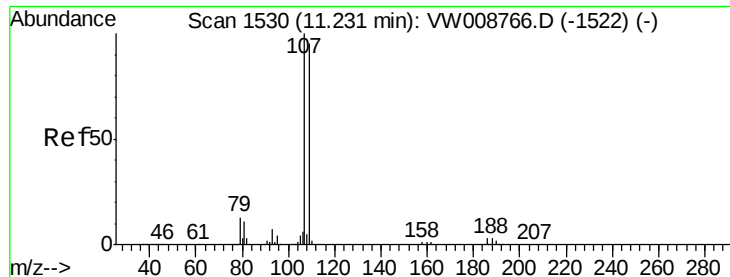
MMDadoda
3/8/2019 10:54:10 AM



#60
Dibromochloromethane
Concen: 21.696 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion: 129 Resp: 48113
Ion Ratio Lower Upper
129 100
127 80.6 39.0 116.9





#61

1,2-Dibromoethane

Concen: 20.904 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

VW0305SBS02

Tgt Ion: 107 Resp: 37620

Ion Ratio Lower Upper

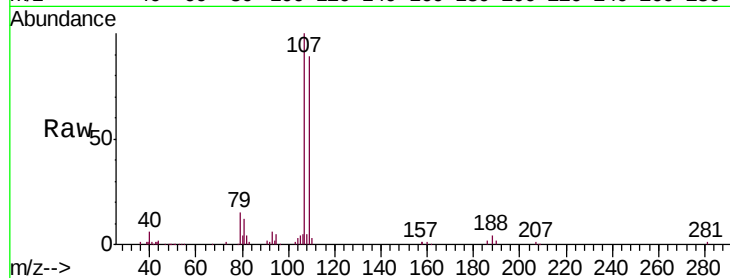
107 100

109 92.6 75.6 113.4

Manual Integrations
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MMDadoda

3/8/2019 10:54:10 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

20000

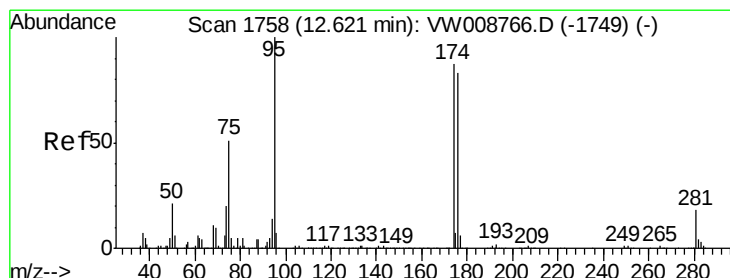
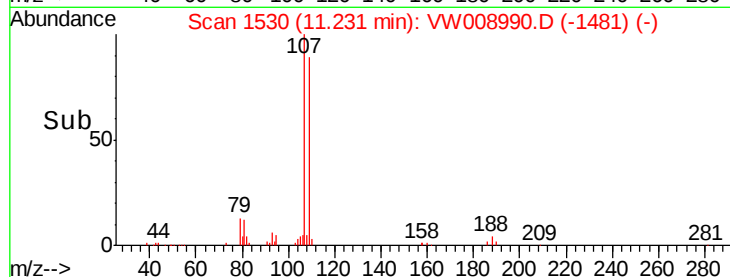
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 55.302 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

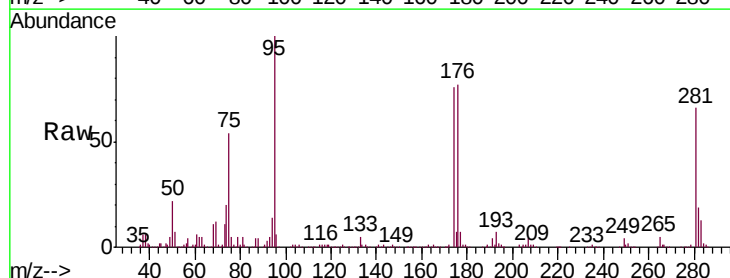
Tgt Ion: 95 Resp: 184172

Ion Ratio Lower Upper

95 100

174 84.0 0.0 169.2

176 82.8 0.0 163.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

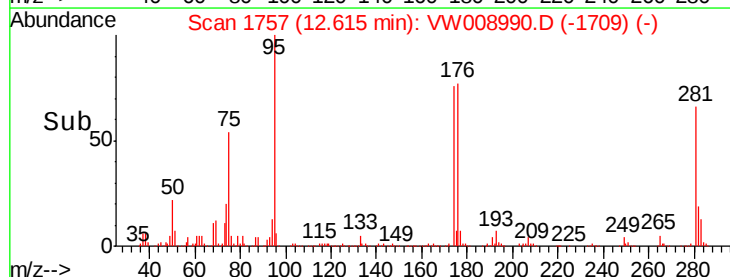
150000

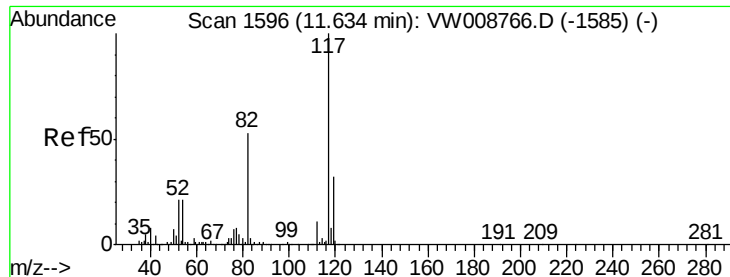
100000

50000

0

Time-->





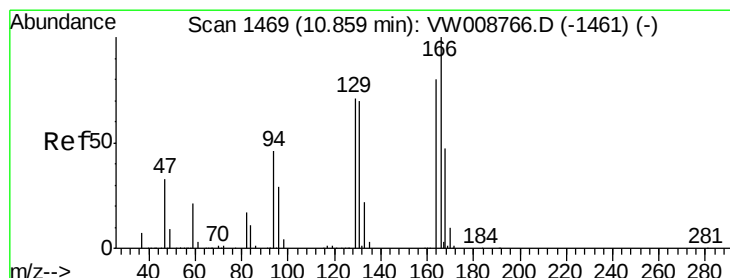
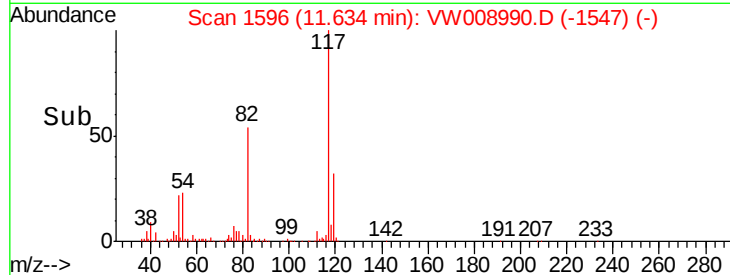
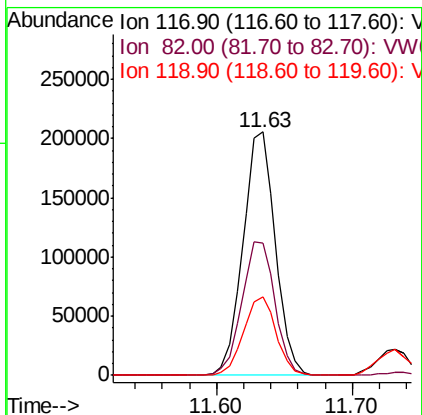
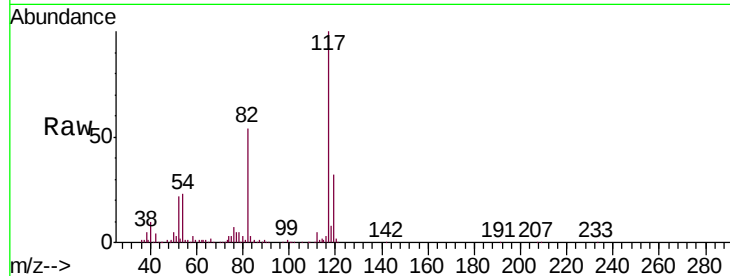
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS02

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.2	42.2	63.4
119	32.2	25.9	38.9

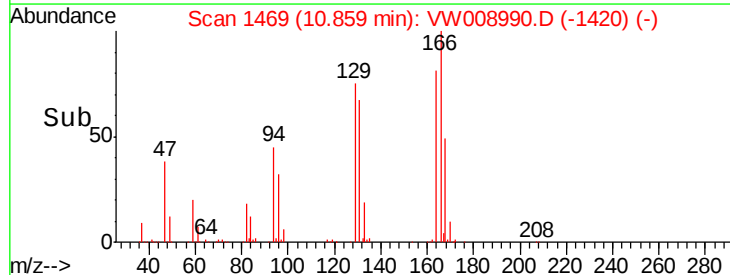
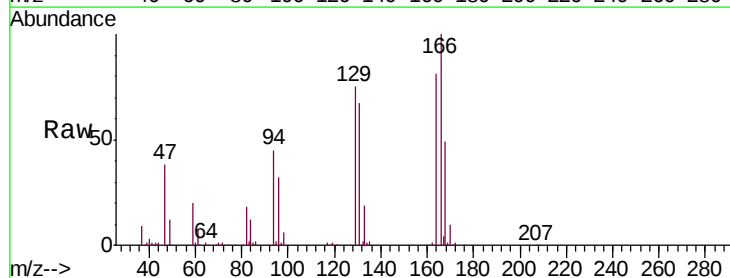
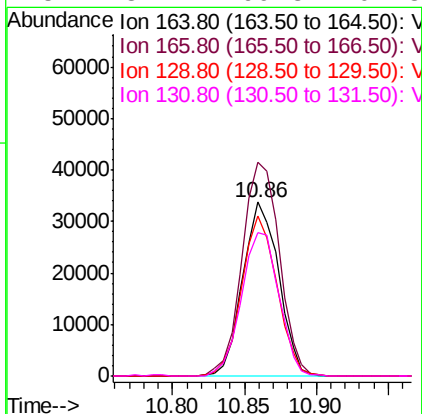
Manual Integrations
APPROVED

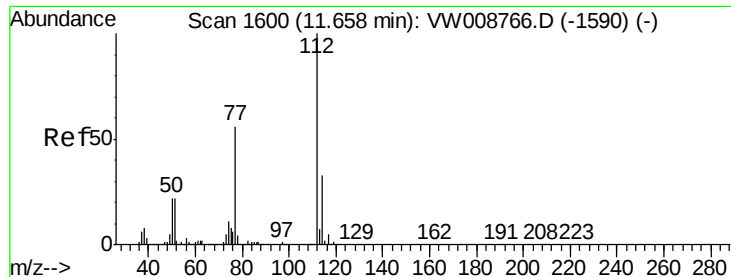
MMDadoda
3/8/2019 10:54:10 AM



#64
Tetrachloroethene
Concen: 23.768 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.9	99.5	149.3
129	92.2	71.1	106.7
131	82.2	69.8	104.8





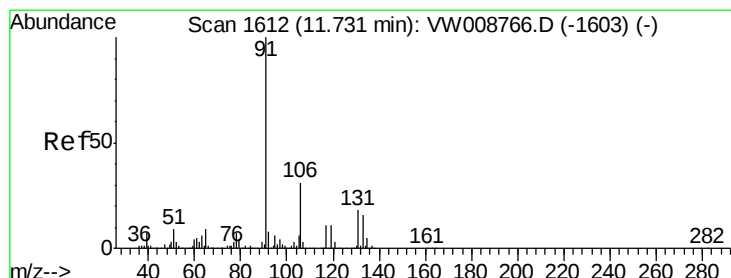
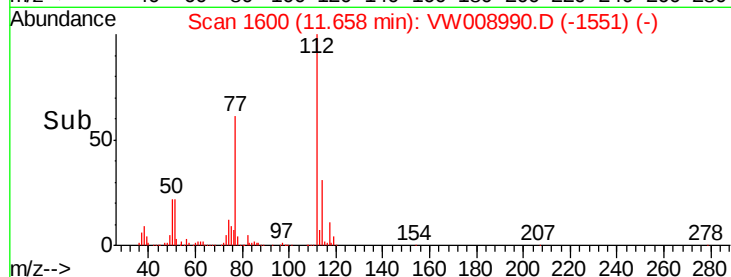
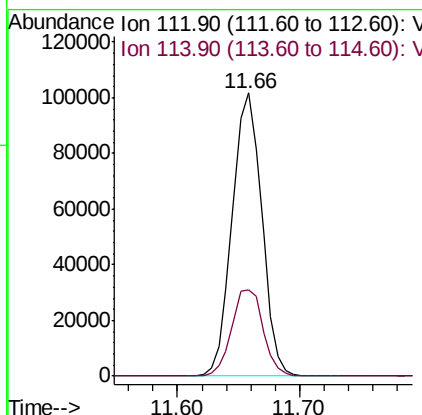
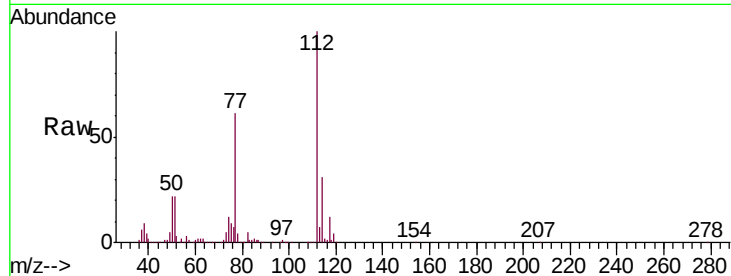
#65
Chlorobenzene
Concen: 23.665 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS02

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.6	26.6	40.0

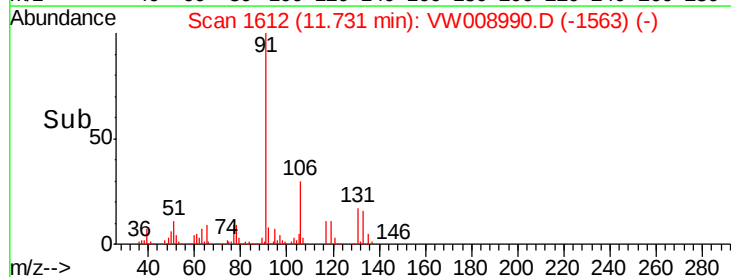
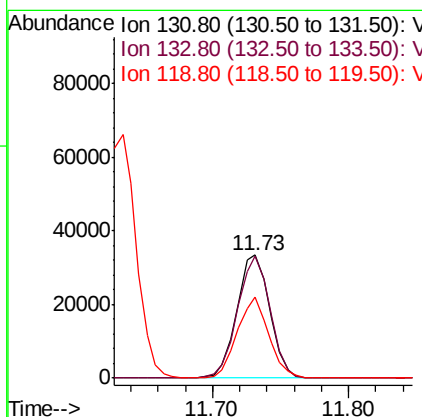
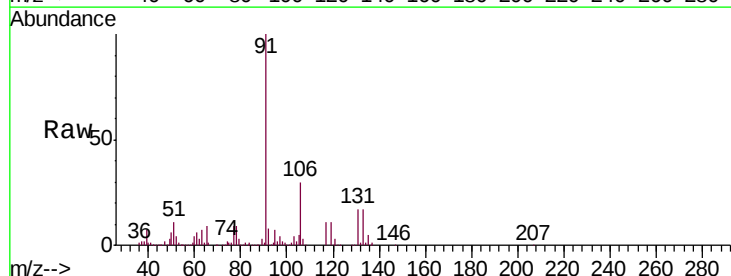
Manual Integrations
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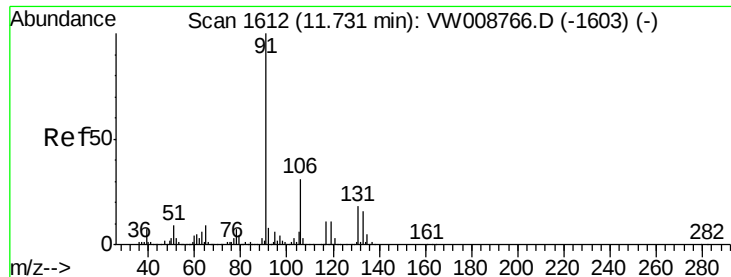
MMDadoda
3/8/2019 10:54:10 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 23.196 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.9	46.7	140.0
119	63.6	30.8	92.4





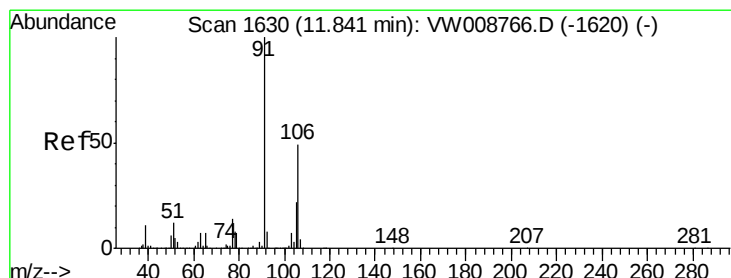
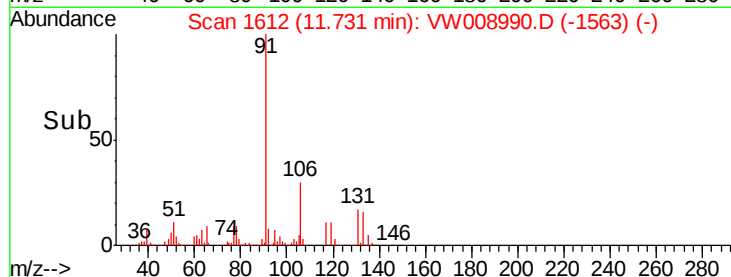
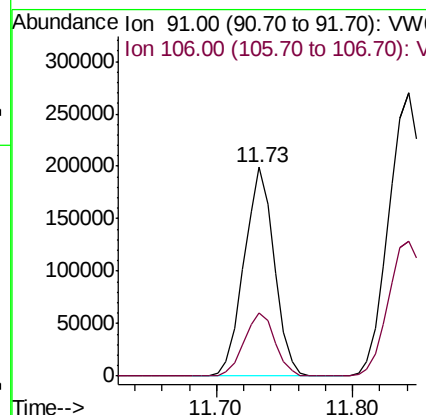
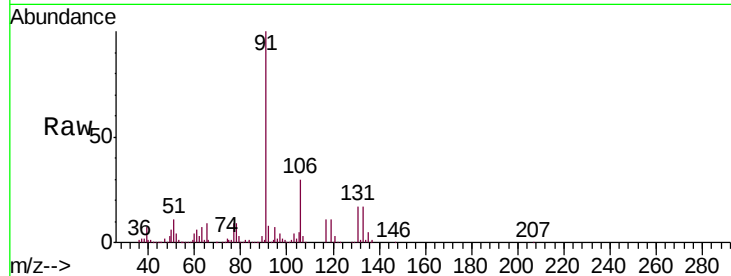
#67
Ethyl Benzene
Concen: 24.005 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Instrument :
MSVOA_W
ClientSampled :
VW0305SBS02

Tgt Ion: 91 Resp: 309210
Ion Ratio Lower Upper
91 100
106 30.0 25.0 37.6

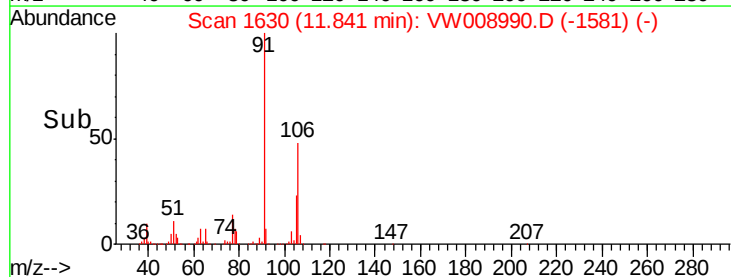
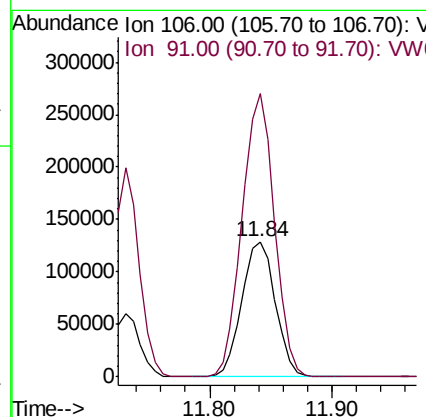
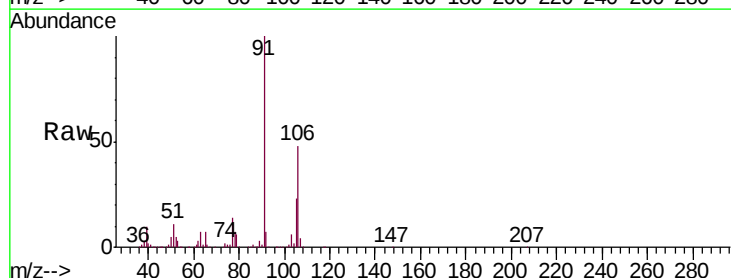
Manual Integrations
APPROVED

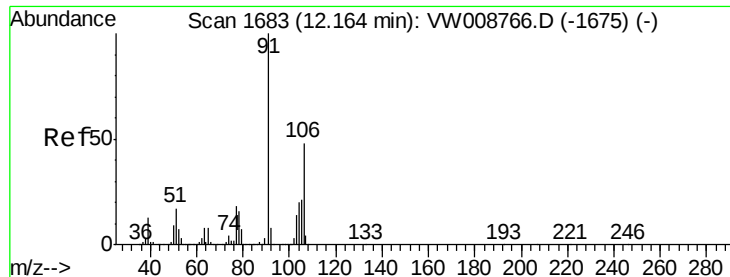
MMDadoda
3/8/2019 10:54:10 AM



#68
m/p-Xylenes
Concen: 47.534 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion: 106 Resp: 244644
Ion Ratio Lower Upper
106 100
91 202.5 161.5 242.3





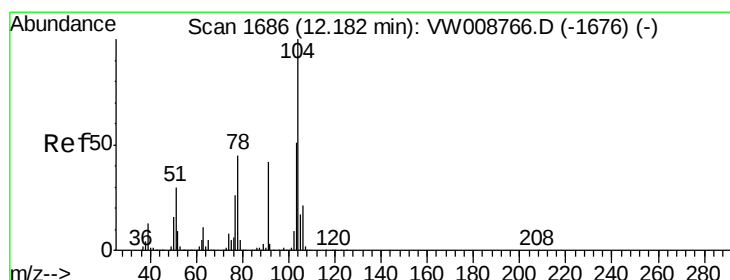
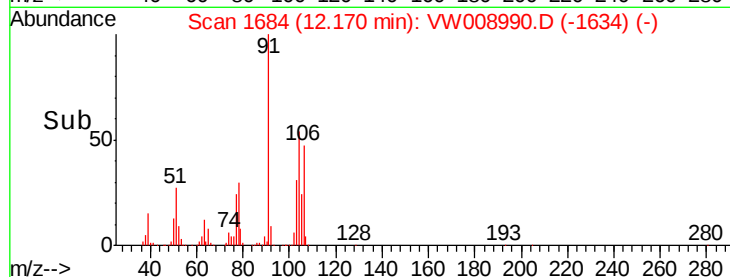
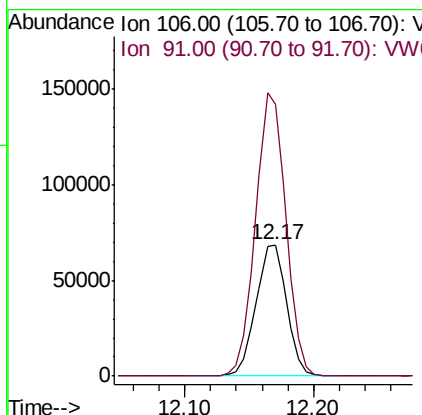
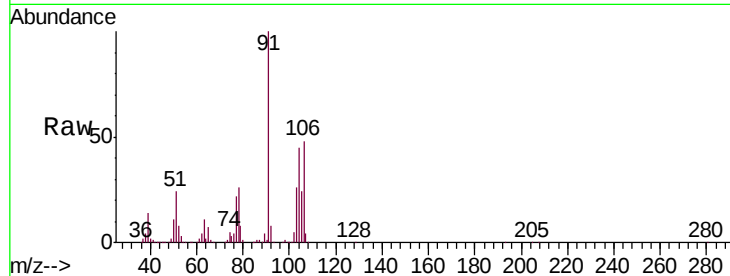
#69
o-Xylene
Concen: 23.284 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS02

Tgt Ion:106 Resp: 112479
Ion Ratio Lower Upper
106 100
91 213.9 106.2 318.6

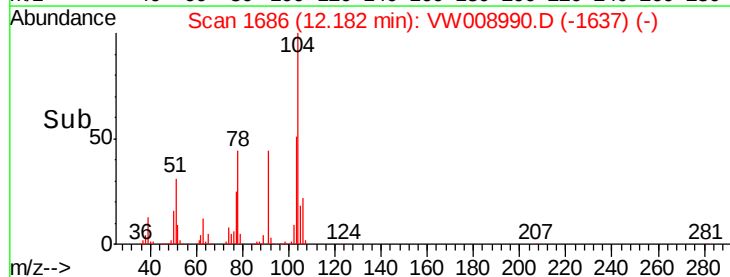
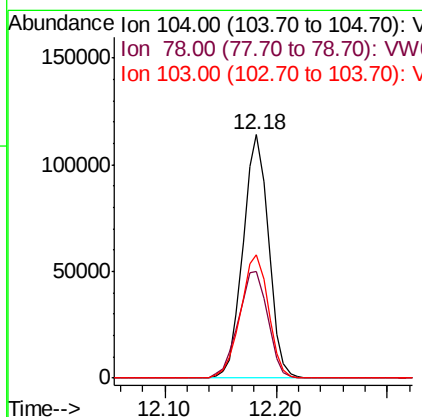
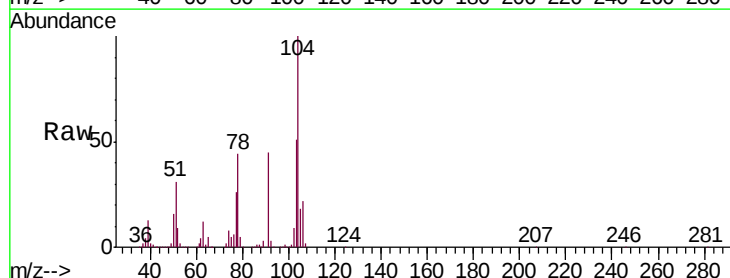
Manual Integrations
APPROVED

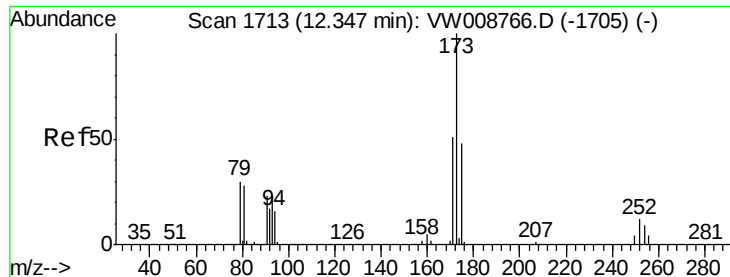
MMDadoda
3/8/2019 10:54:10 AM



#70
Styrene
Concen: 23.471 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion:104 Resp: 182413
Ion Ratio Lower Upper
104 100
78 50.3 40.8 61.2
103 55.2 44.2 66.2





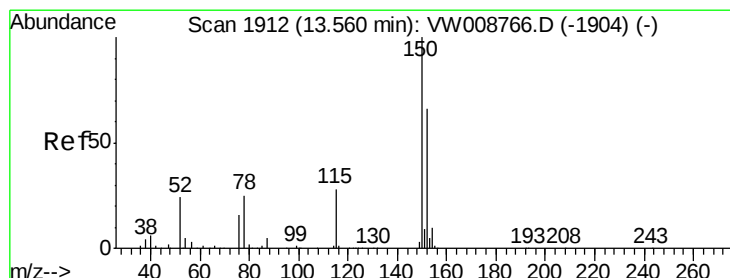
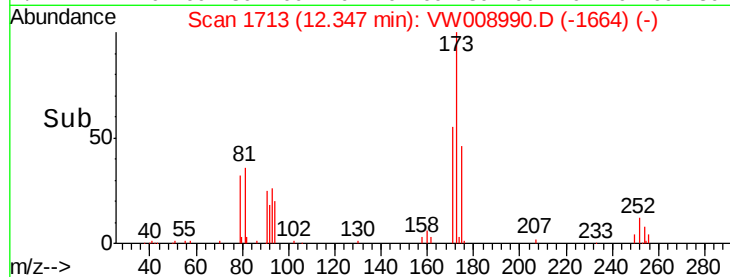
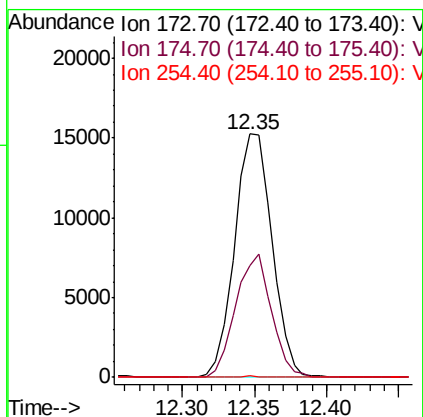
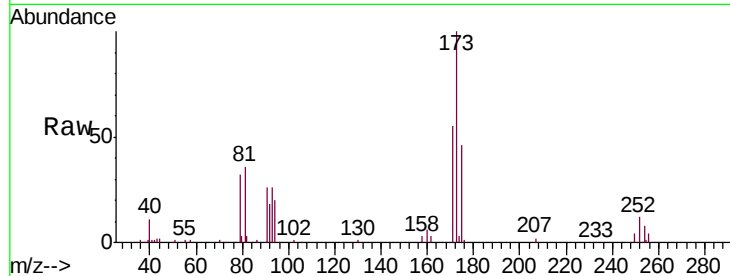
#71
Bromoform
Concen: 21.083 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS02

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.2	72.6
254	0.1	0.2	0.4

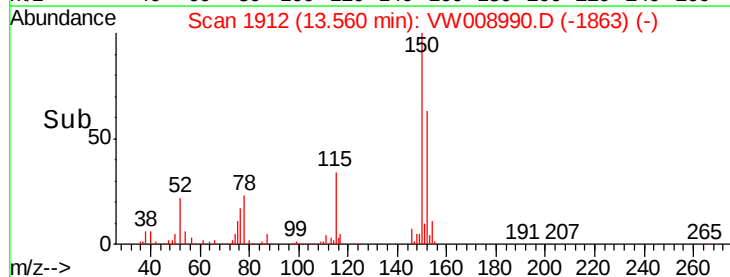
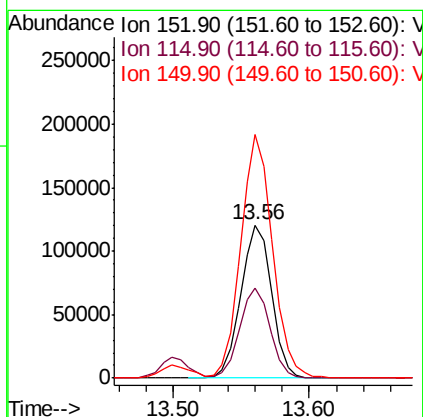
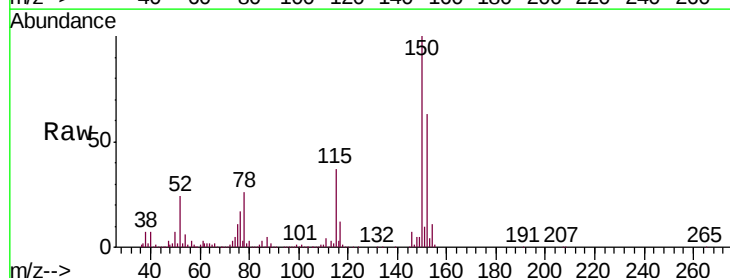
Manual Integrations
APPROVED

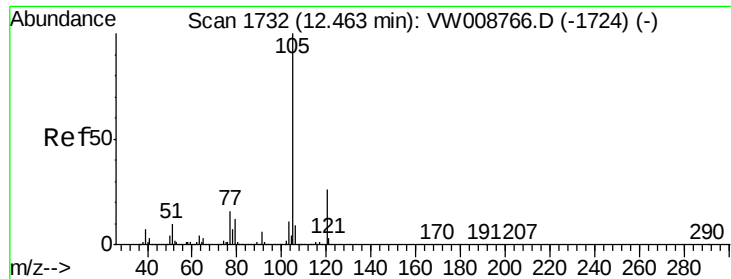
MMDadoda
3/8/2019 10:54:10 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	28.6	85.8
150	164.6	0.0	348.0





#73

Isopropylbenzene

Concen: 24.205 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

Instrument :

MSVOA_W

ClientSampleId :

VW0305SBS02

Tgt Ion: 105 Resp: 314595

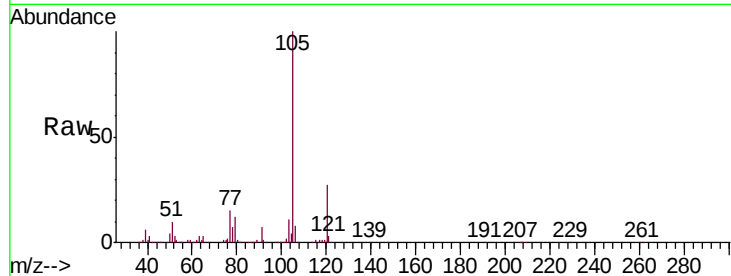
Ion Ratio Lower Upper

105 100

120 27.0 13.3 39.9

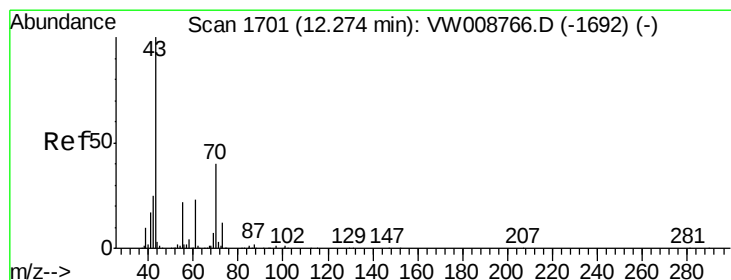
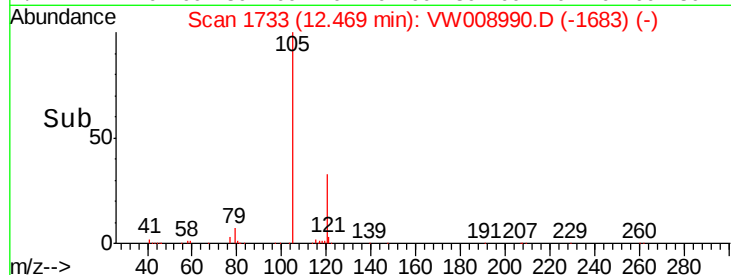
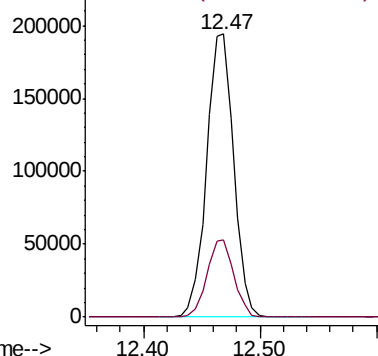
Manual Integrations
APPROVED

MMDadoda
3/8/2019 10:54:10 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.014 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

Tgt Ion: 43 Resp: 62250

Ion Ratio Lower Upper

43 100

70 39.7 31.0 46.6

55 25.1 18.7 28.1

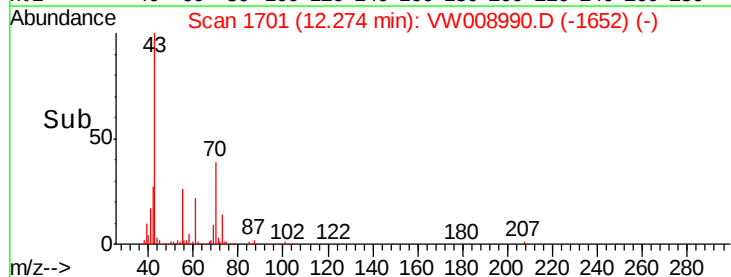
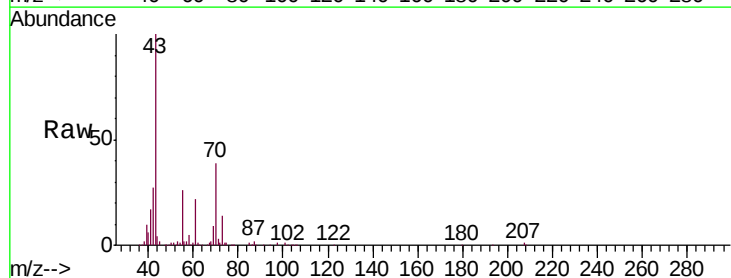
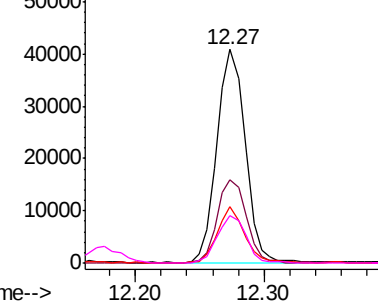
61 22.4 18.1 27.1

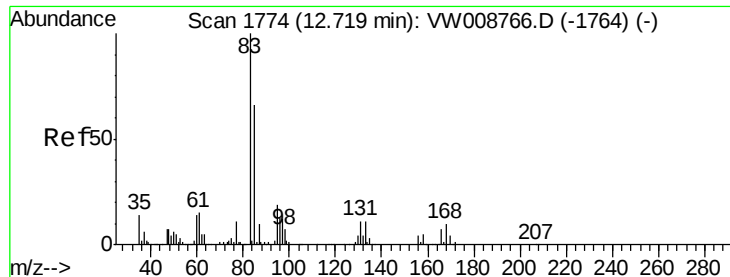
Abundance Ion 43.00 (42.70 to 43.70): VW

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





#75

1,1,2,2-Tetrachloroethane

Concen: 21.034 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

Instrument :

MSVOA_W

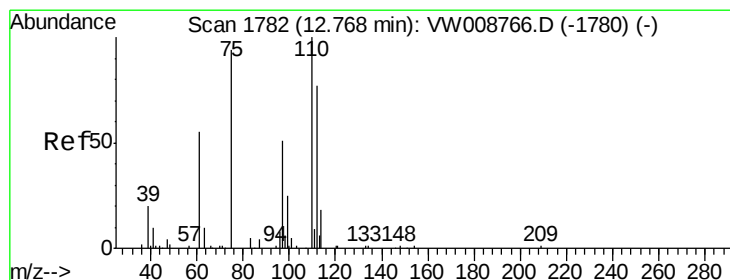
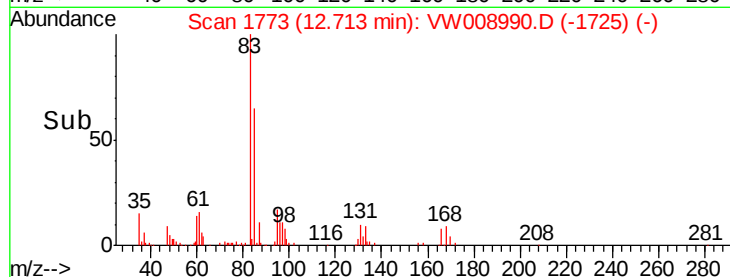
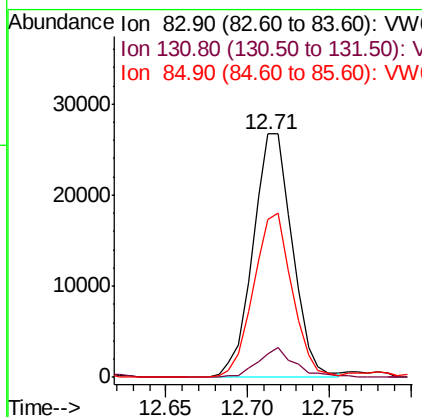
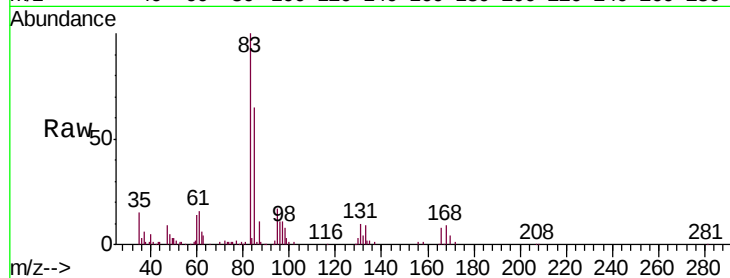
ClientSampleId :

VW0305SBS02

Tgt Ion:	83	Resp:	44669
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.5	16.7
85	66.1	33.0	98.9

Manual Integrations
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MMDadoda
3/8/2019 10:54:10 AM



#76

1,2,3-Trichloropropane

Concen: 24.079 ug/l m

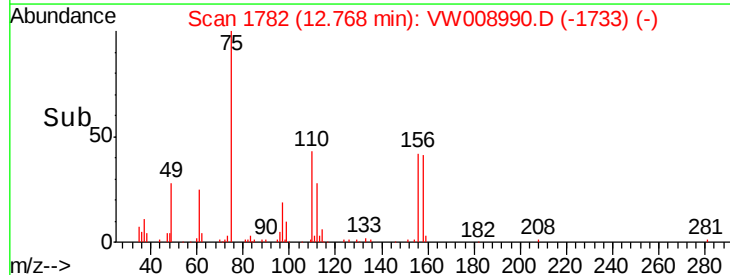
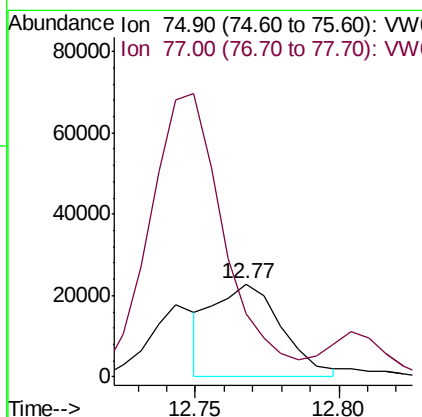
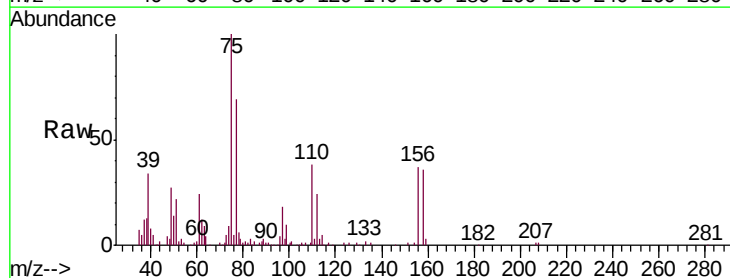
RT: 12.77 min Scan# 1782

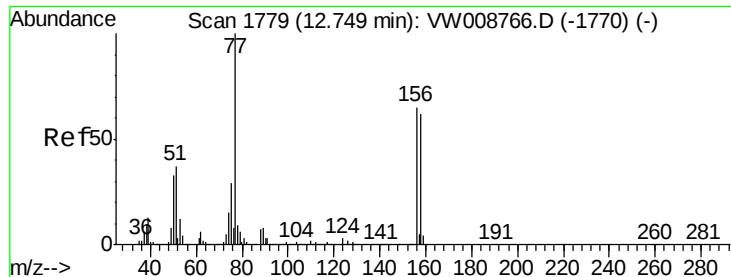
Delta R.T. 0.00 min

Lab File: VW008990.D

Acq: 05 Mar 2019 12:19

Tgt Ion:	75	Resp:	37691
Ion Ratio	Lower	Upper	
75	100		
77	334.9	0.0	0.0#





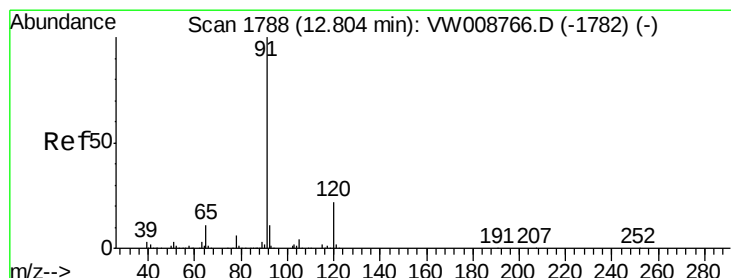
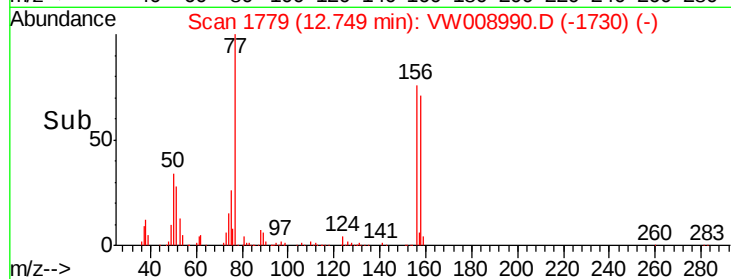
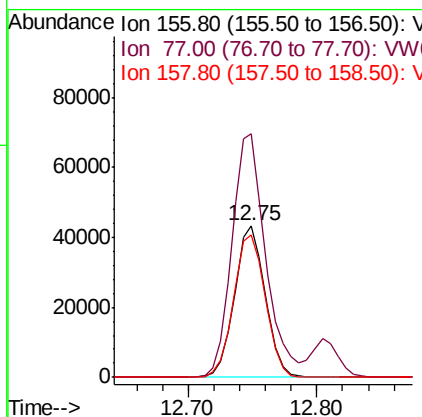
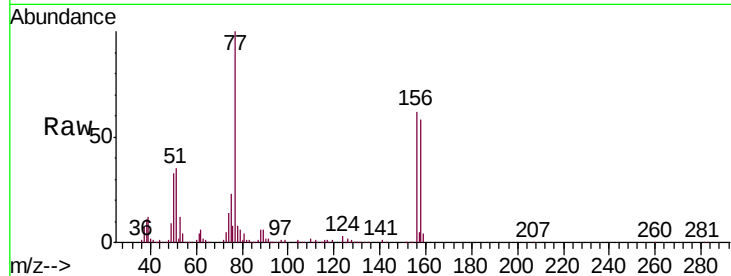
#77
Bromobenzene
Concen: 23.131 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Instrument :
MSVOA_W
ClientSampled :
VW0305SBS02

Tgt Ion	Ratio	Lower	Upper
156	100		
77	177.7	89.1	267.4
158	97.3	49.2	147.6

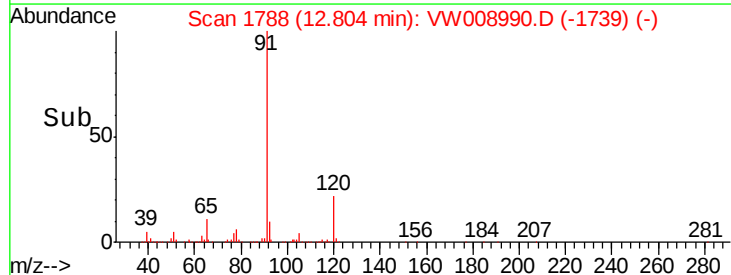
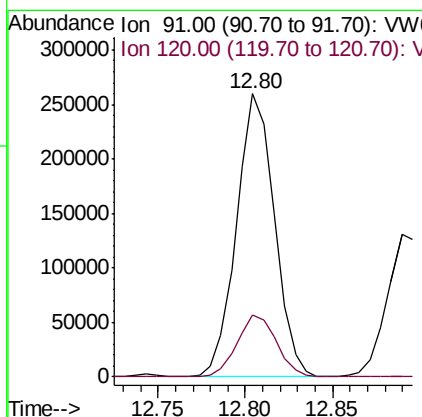
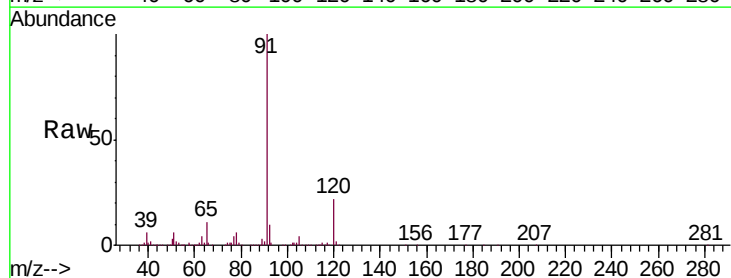
Manual Integrations
APPROVED

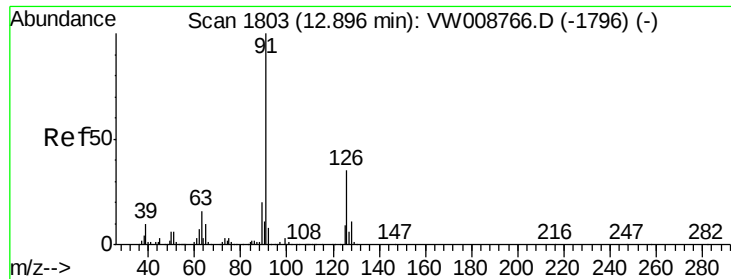
MMDadoda
3/8/2019 10:54:10 AM



#78
n-propylbenzene
Concen: 24.572 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.5	34.4





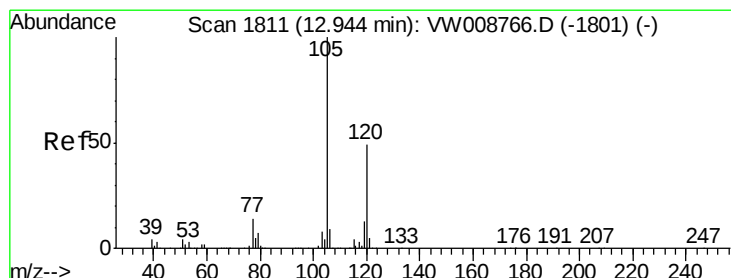
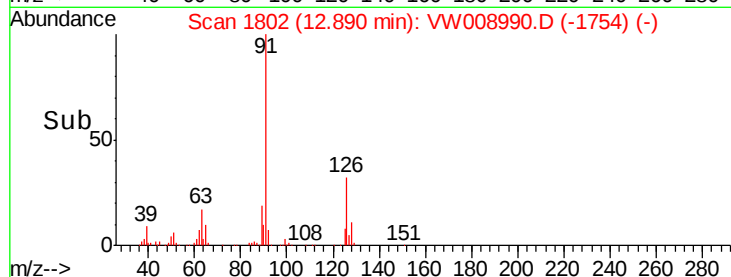
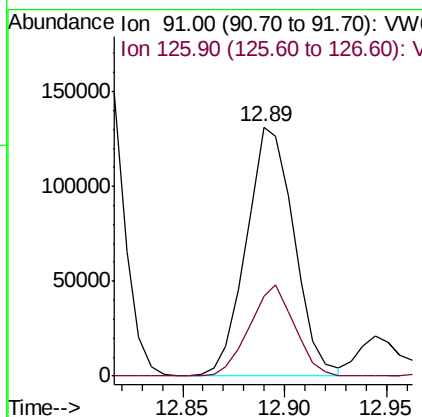
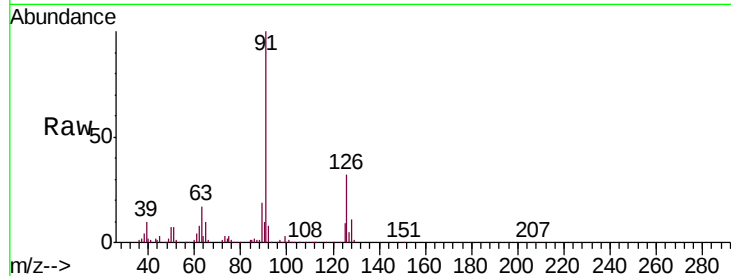
#79
 2-Chlorotoluene
 Concen: 23.655 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBS02

Tgt Ion: 91 Resp: 213526
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.0 51.0

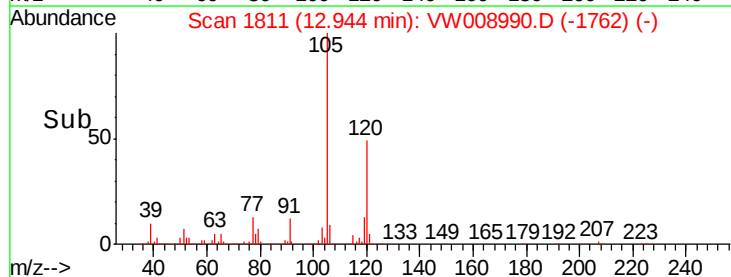
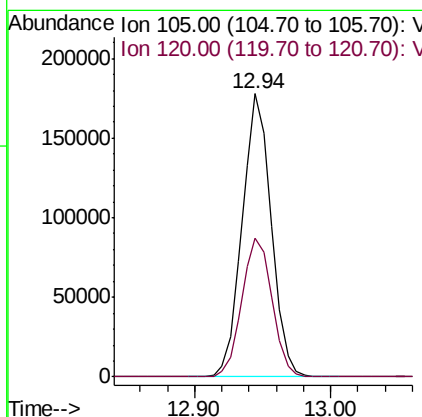
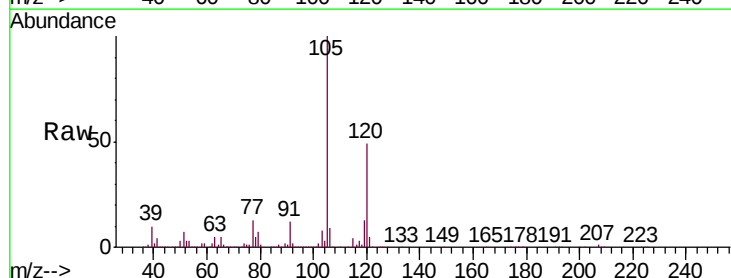
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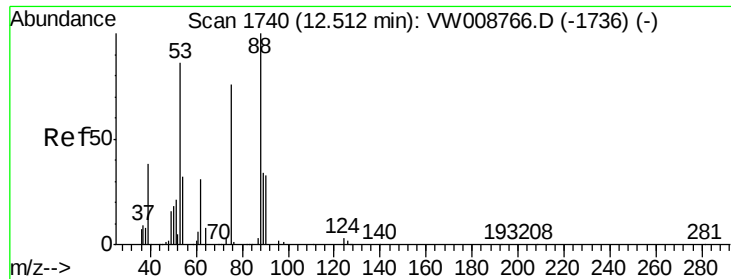
MMDadoda
 3/8/2019 10:54:10 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 23.412 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

Tgt Ion: 105 Resp: 264433
 Ion Ratio Lower Upper
 105 100
 120 51.1 24.8 74.4





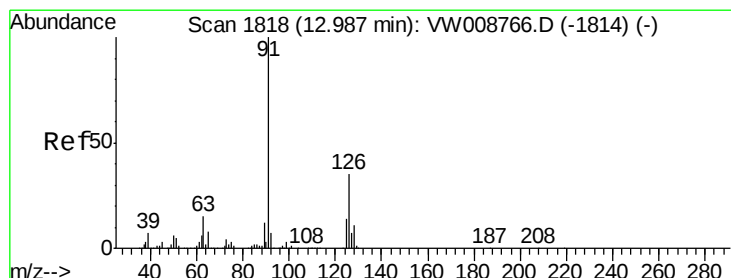
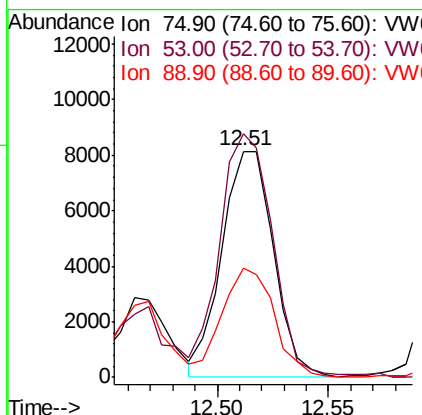
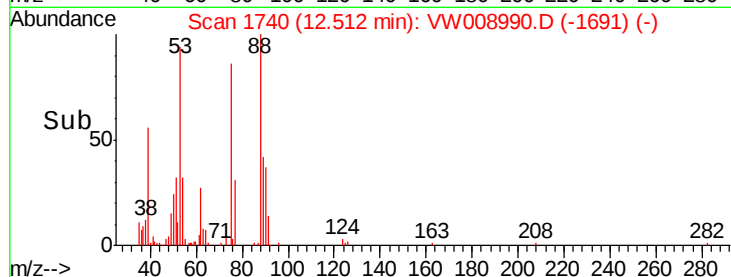
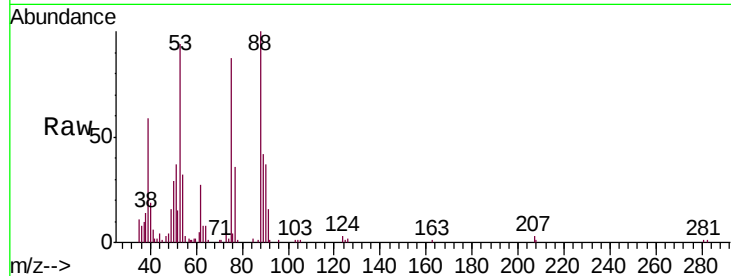
#81
trans-1,4-Dichloro-2-butene
Concen: 20.509 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS02

Tgt Ion	Ratio	Lower	Upper
75	100		
53	107.1	88.2	132.2
89	48.7	39.5	59.3

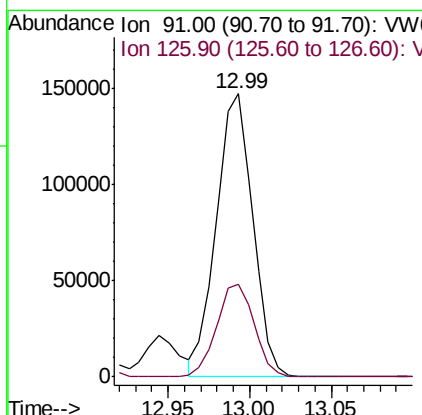
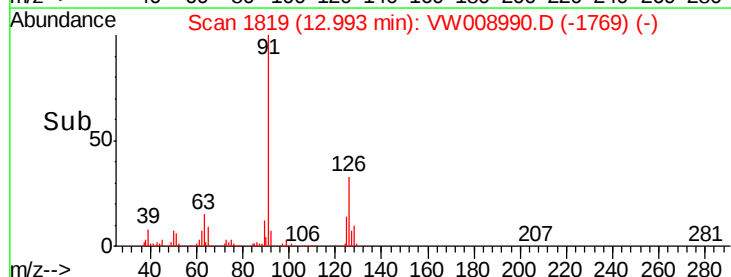
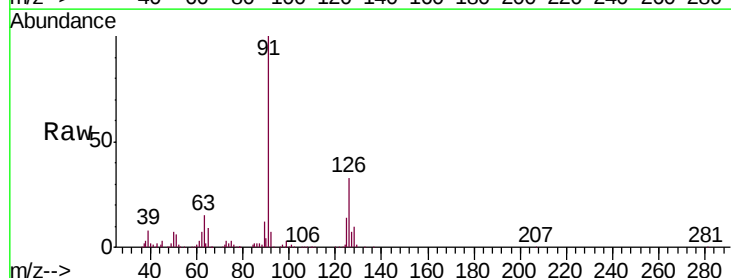
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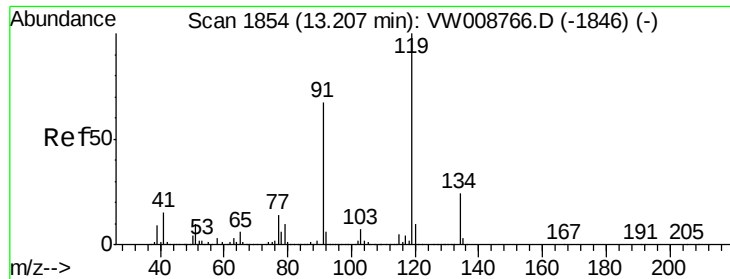
MMDadoda
3/8/2019 10:54:10 AM



#82
4-Chlorotoluene
Concen: 24.144 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.2	51.6





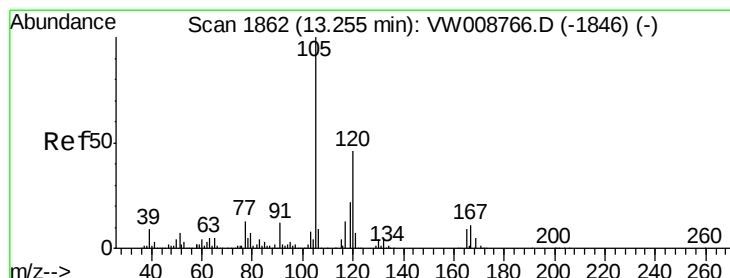
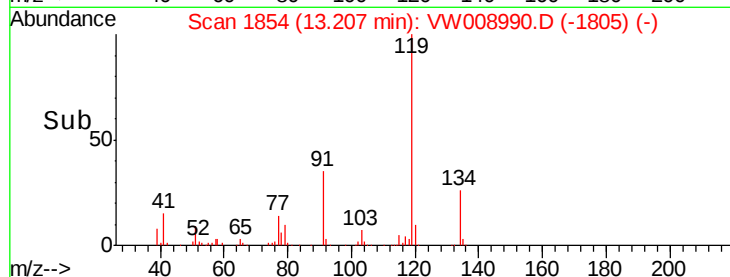
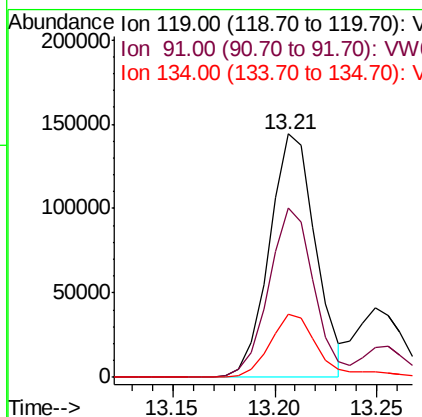
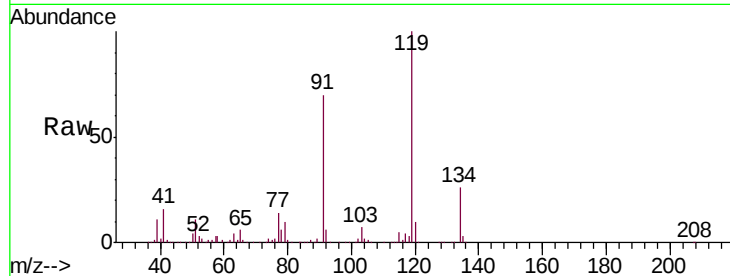
#83
 tert-Butylbenzene
 Concen: 23.344 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	227985		
91	68.4	33.6	100.8	
134	27.6	13.7	41.1	

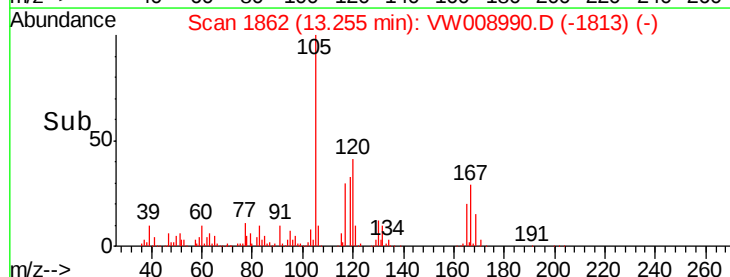
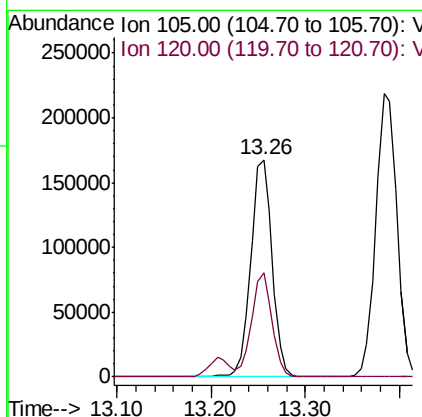
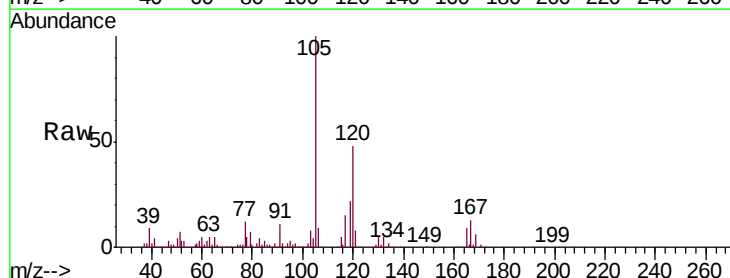
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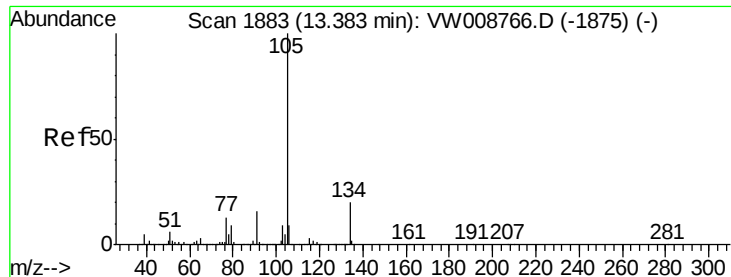
MMDadoda
 3/8/2019 10:54:10 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.848 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	267133		
120	45.7	22.8	68.4	





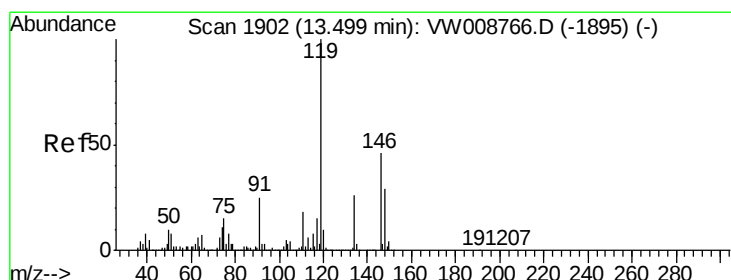
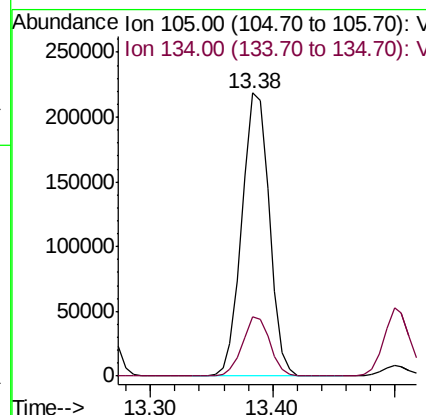
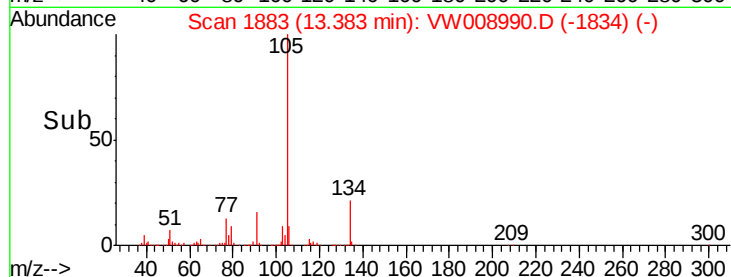
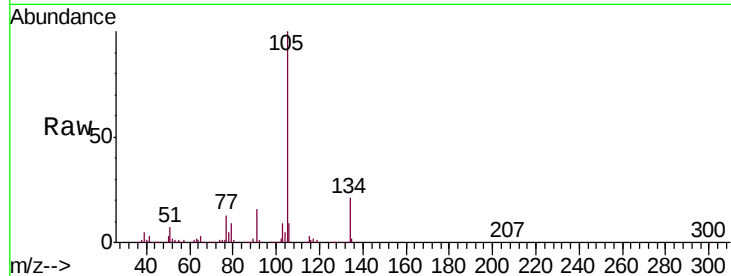
#85
 sec-Butylbenzene
 Concen: 24.177 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBS02

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.4	31.1

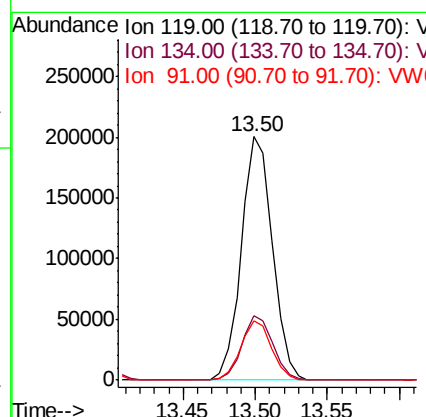
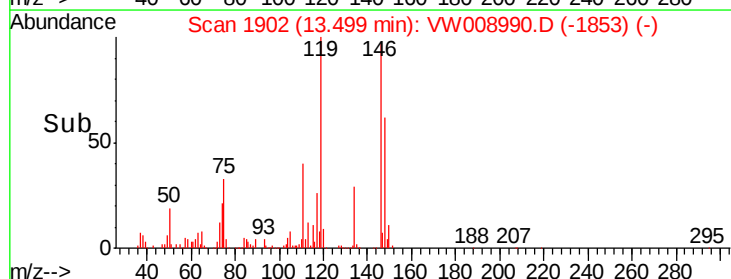
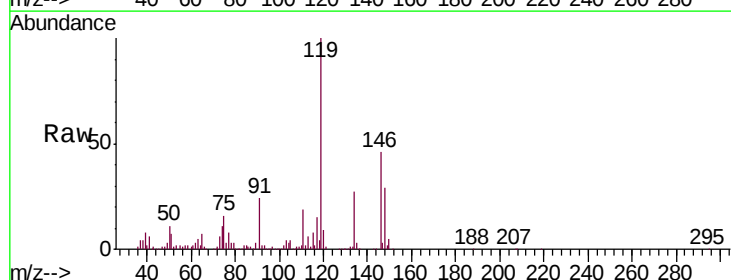
Manual Integrations
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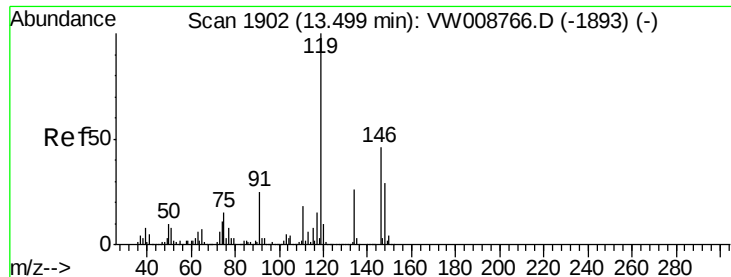
MMDadoda
 3/8/2019 10:54:10 AM



#86
 p-Isopropyltoluene
 Concen: 23.316 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.3
91	24.0	12.1	36.3





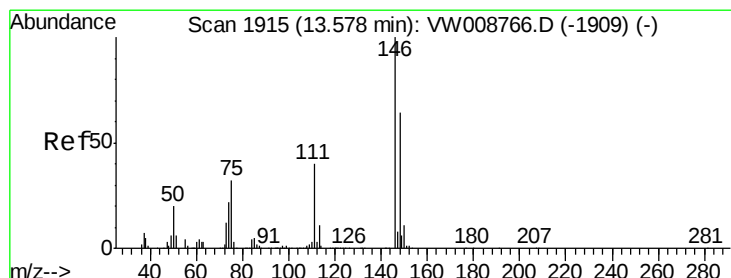
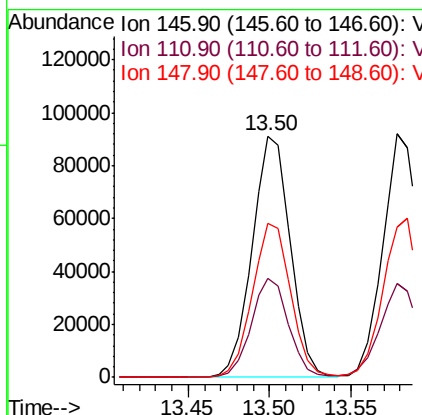
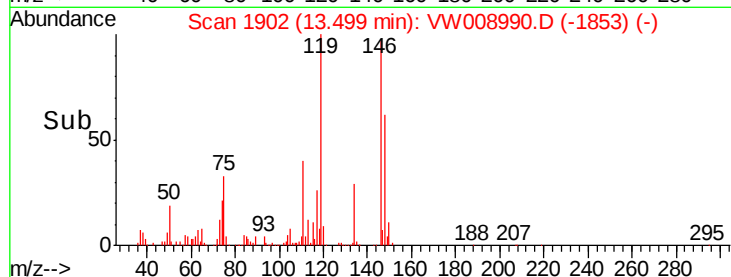
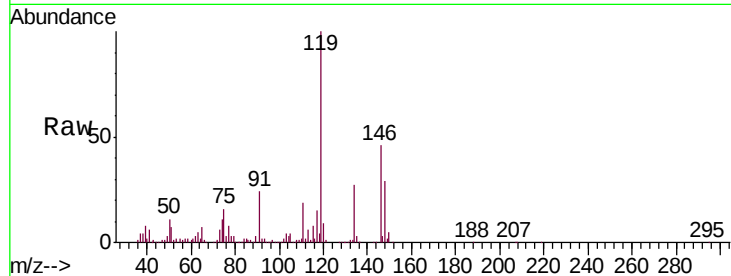
#87
 1,3-Dichlorobenzene
 Concen: 23.258 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

Instrument :
 MSVOA_W
 ClientSampled :
 VW0305SBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.9	59.7
148	64.1	31.6	94.8

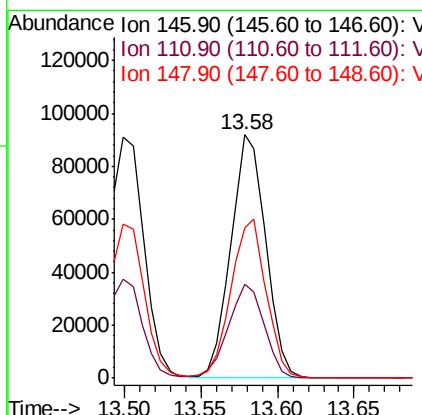
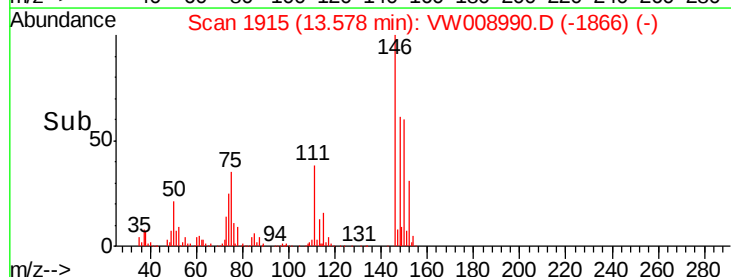
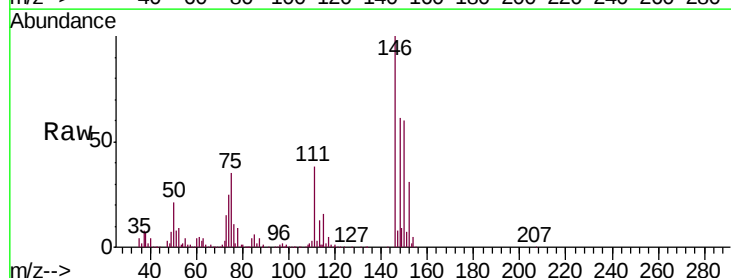
Manual Integrations
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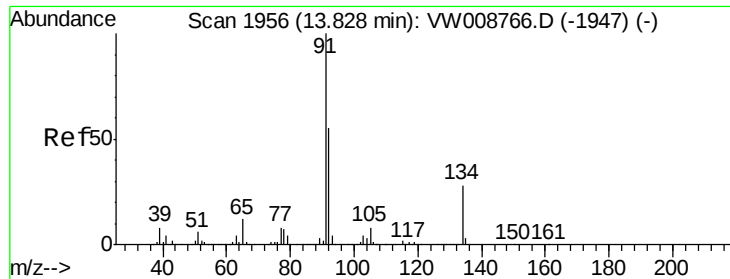
MMDadoda
 3/8/2019 10:54:10 AM



#88
 1,4-Dichlorobenzene
 Concen: 23.141 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.3	57.9
148	66.0	31.9	95.9





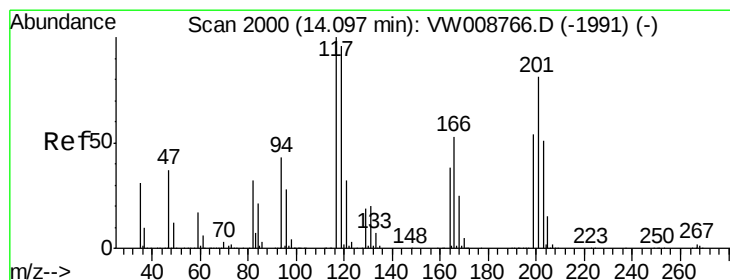
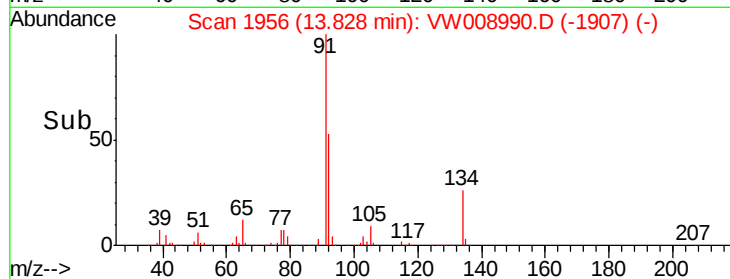
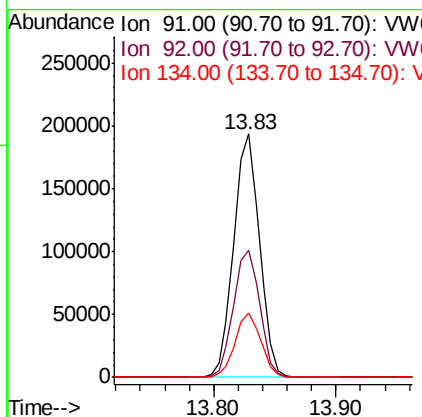
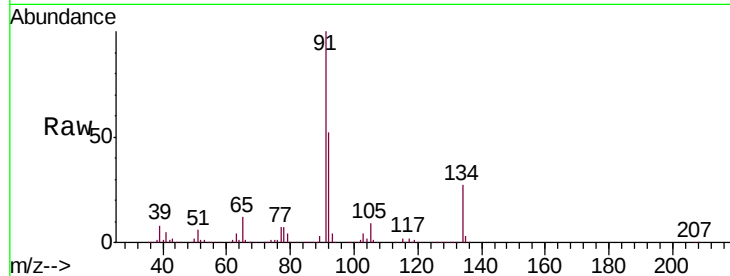
#89
n-Butylbenzene
Concen: 23.346 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.8	80.4
134	26.5	13.5	40.4

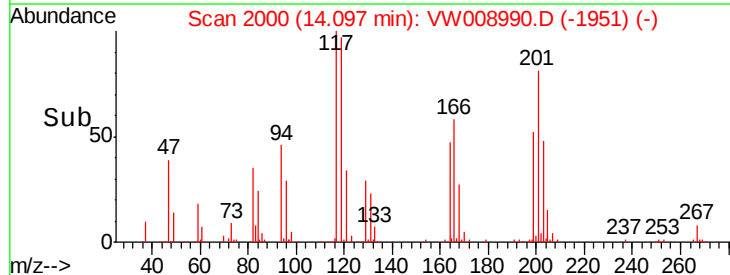
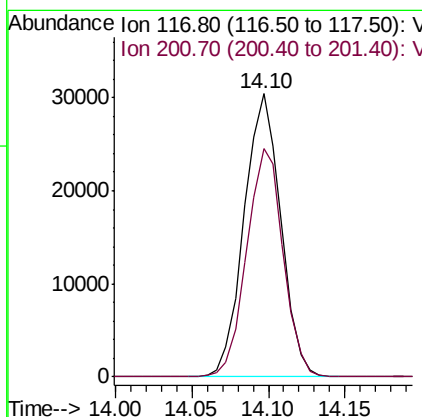
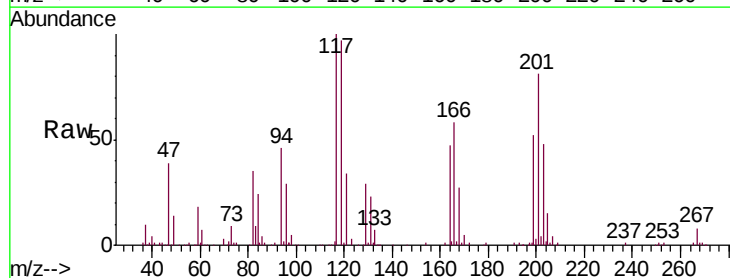
Manual Integrations
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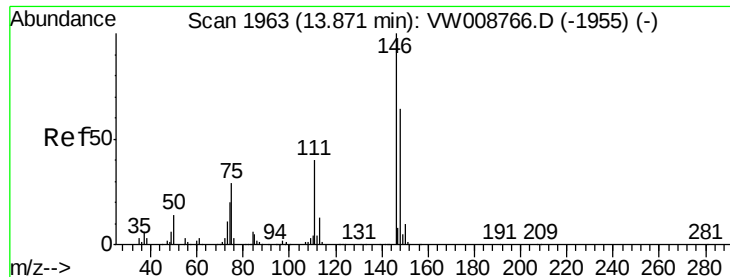
MMDadoda
3/8/2019 10:54:10 AM



#90
Hexachloroethane
Concen: 24.114 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.9	40.3	120.8





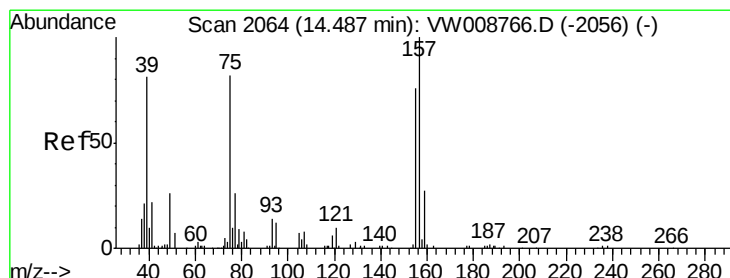
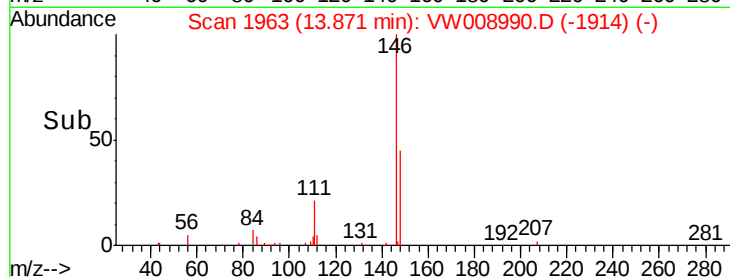
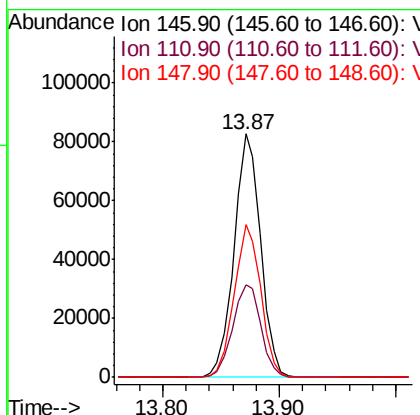
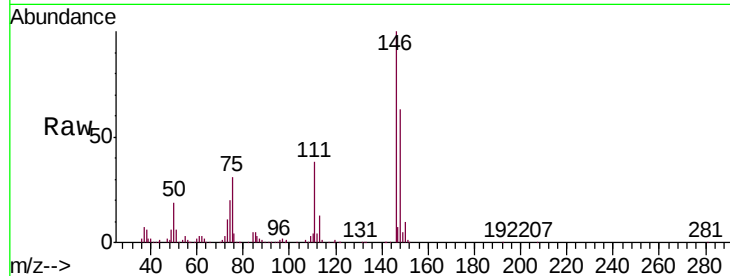
#91
 1,2-Dichlorobenzene
 Concen: 23.142 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	131396		
111	40.3	20.3	60.8	
148	62.6	32.5	97.5	

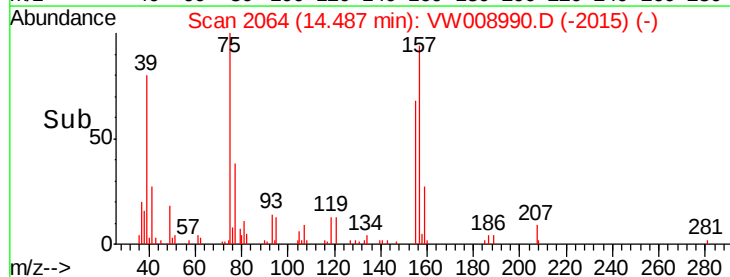
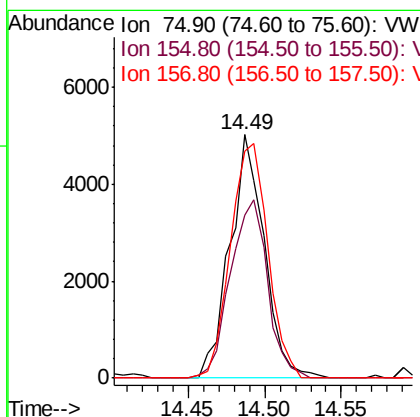
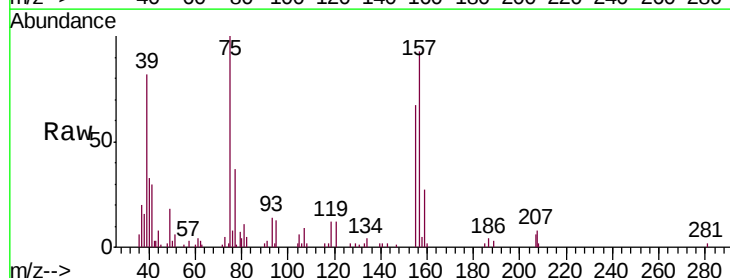
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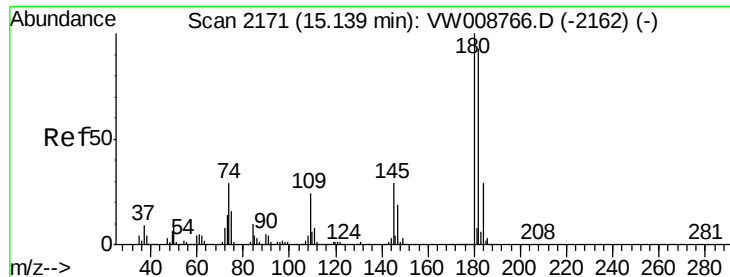
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.403 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	7838		
155	78.6	41.8	125.4	
157	104.3	56.6	169.9	





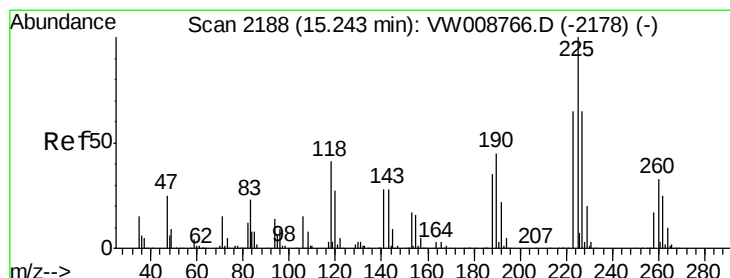
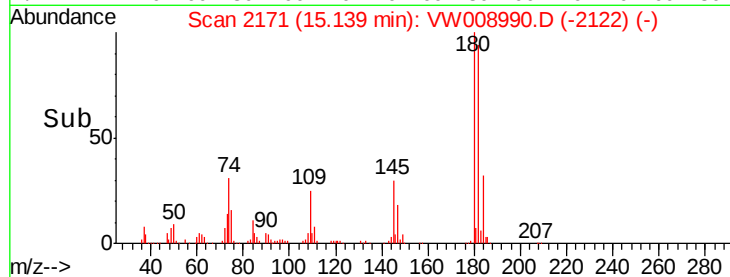
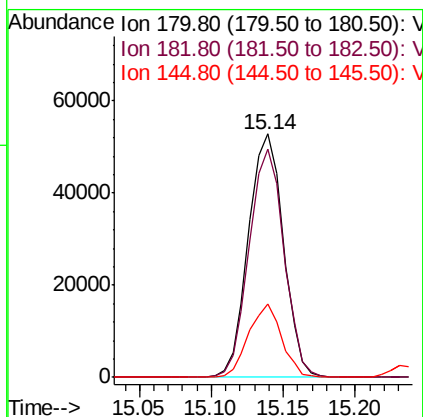
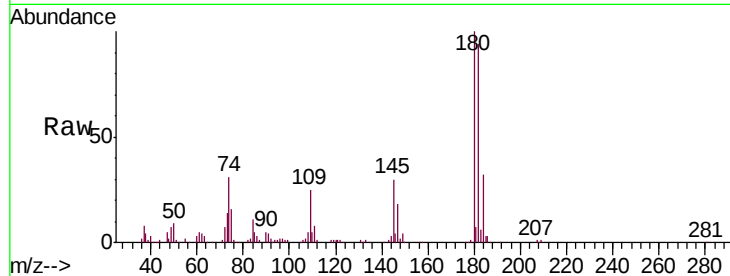
#93
 1,2,4-Trichlorobenzene
 Concen: 21.655 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	88591		
182	93.5	47.2	141.6	
145	28.6	14.4	43.0	

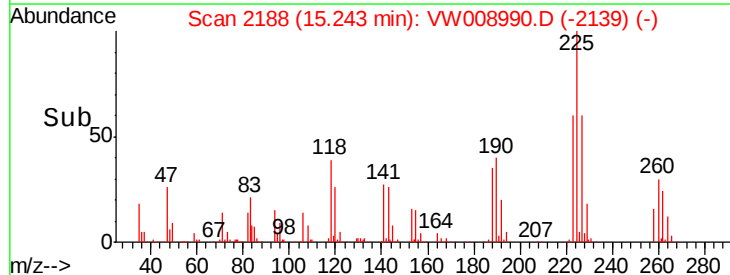
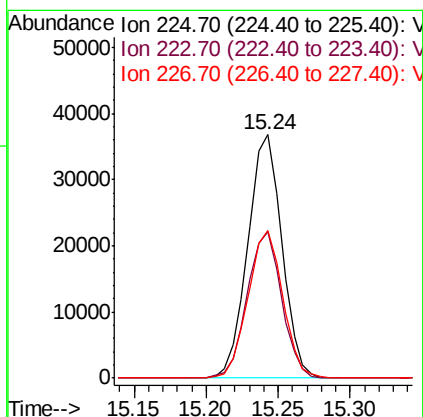
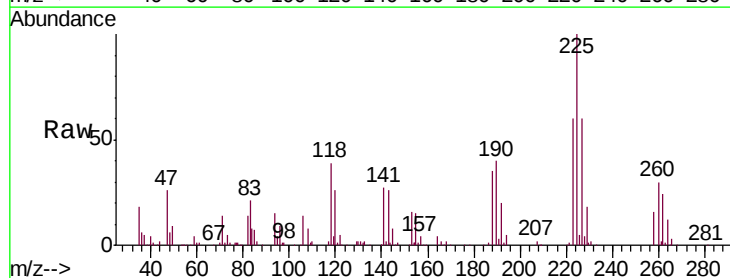
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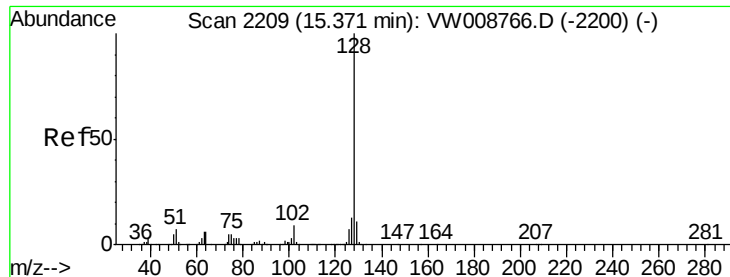
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 3/8/2019 10:54:10 AM



#94
 Hexachlorobutadiene
 Concen: 24.955 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008990.D
 Acq: 05 Mar 2019 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	60135		
223	60.9	31.5	94.5	
227	61.7	31.6	94.8	





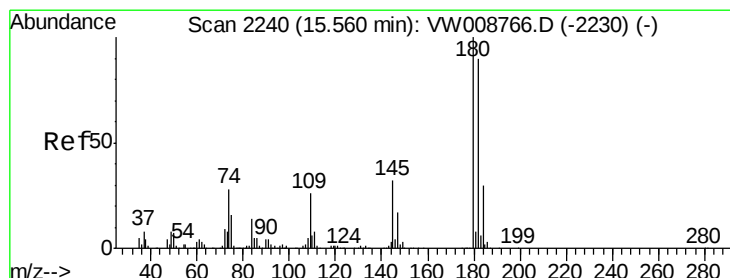
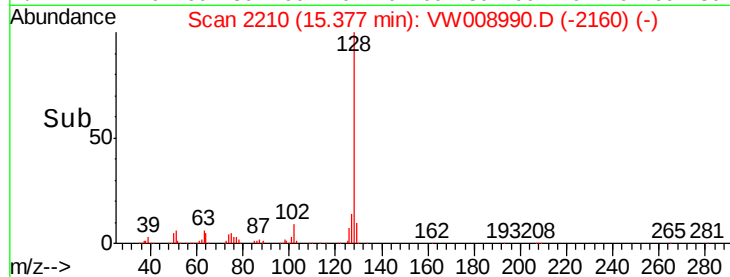
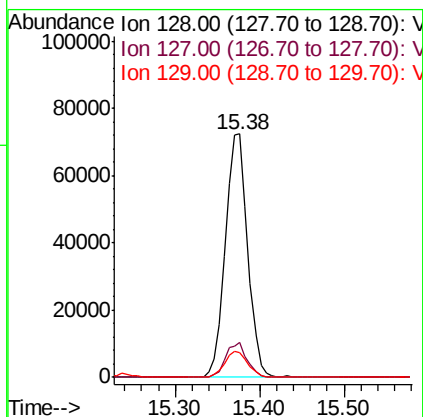
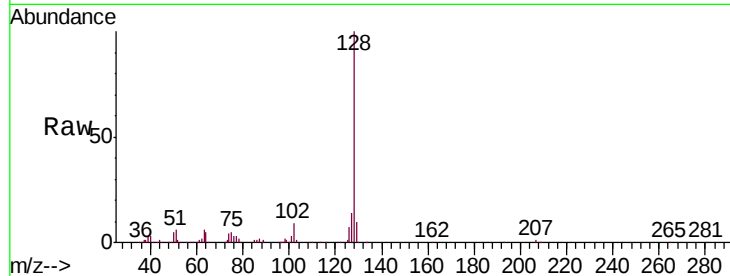
#95
Naphthalene
Concen: 18.881 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	131512		
127	13.7	10.8	16.2	
129	10.9	8.7	13.1	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.125 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW008990.D
Acq: 05 Mar 2019 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	74722		
182	95.0	46.9	140.8	
145	32.3	15.9	47.6	

