

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012819\
 Data File : VW008433.D
 Acq On : 28 Jan 2019 12:20
 Operator : SY/VA
 Sample : VW0128SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0128SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/29/2019 12:19:52 PM

Quant Time: Jan 29 04:23:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	494731	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	757275	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	672098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	345788	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	237063	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
35) Dibromofluoromethane	7.88	113	234165	52.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.76%	
50) Toluene-d8	10.32	98	920123	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
62) 4-Bromofluorobenzene	12.62	95	335054	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	38694	15.906	ug/l	97
3) Chloromethane	2.21	50	62652	15.514	ug/l	98
4) Vinyl Chloride	2.36	62	88292	17.175	ug/l	99
5) Bromomethane	2.78	94	63689	19.208	ug/l	98
6) Chloroethane	2.93	64	59015	18.771	ug/l	97
7) Trichlorofluoromethane	3.25	101	69175	18.734	ug/l	98
8) Diethyl Ether	3.67	74	43534	17.645	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	82385	18.412	ug/l	99
10) Methyl Iodide	4.26	142	133494	18.888	ug/l	99
11) Tert butyl alcohol	5.17	59	31971	81.703	ug/l	95
12) 1,1-Dichloroethene	4.03	96	81751	18.053	ug/l	98
13) Acrolein	3.89	56	32157	95.769	ug/l	96
14) Allyl chloride	4.66	41	146346	17.019	ug/l	99
15) Acrylonitrile	5.37	53	88839	83.388	ug/l	100
16) Acetone	4.12	43	88400	80.994	ug/l	99
17) Carbon Disulfide	4.37	76	252215	17.439	ug/l	98
18) Methyl Acetate	4.67	43	45857	15.752	ug/l	94
19) Methyl tert-butyl Ether	5.42	73	132110	17.633	ug/l	99
20) Methylene Chloride	4.90	84	94445	18.774	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	90056	17.689	ug/l	97
22) Diisopropyl ether	6.31	45	271897	16.684	ug/l	94
23) Vinyl Acetate	6.25	43	787563	81.841	ug/l	98
24) 1,1-Dichloroethane	6.21	63	158943	17.230	ug/l	98
25) 2-Butanone	7.17	43	123837	81.687	ug/l	98
26) 2,2-Dichloropropane	7.16	77	113598	18.218	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	99848	17.996	ug/l	96
28) Bromochloromethane	7.51	49	72969	17.222	ug/l	95
29) Tetrahydrofuran	7.53	42	75828	78.931	ug/l	96
30) Chloroform	7.67	83	161729	17.824	ug/l	99
31) Cyclohexane	7.95	56	162198	17.004	ug/l #	92
32) 1,1,1-Trichloroethane	7.87	97	140641	17.946	ug/l	99
36) 1,1-Dichloropropene	8.08	75	131651	18.404	ug/l	98
37) Ethyl Acetate	7.25	43	52155	16.480	ug/l #	93
38) Carbon Tetrachloride	8.06	117	136981	19.030	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	171362	18.236	ug/l	97
40) Benzene	8.32	78	362060	18.240	ug/l	98
41) Methacrylonitrile	7.48	41	37343	19.927	ug/l	91
42) 1,2-Dichloroethane	8.40	62	102882	17.885	ug/l	98
43) Isopropyl Acetate	8.42	43	110161	16.754	ug/l	96
44) Trichloroethene	9.09	130	104016	19.270	ug/l	96
45) 1,2-Dichloropropane	9.37	63	89687	18.121	ug/l	97
46) Dibromomethane	9.46	93	45728	17.964	ug/l	95
47) Bromodichloromethane	9.64	83	122378	18.176	ug/l	94
48) Methyl methacrylate	9.43	41	54391	16.918	ug/l	98
49) 1,4-Dioxane	9.45	88	14431	335.385	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	269822	83.067	ug/l	100
52) Toluene	10.38	92	236006	18.012	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	126039	17.592	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	146791	18.054	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	63310	17.930	ug/l	98
56) Ethyl methacrylate	10.65	69	82873	16.750	ug/l	97
57) 1,3-Dichloropropane	10.93	76	112150	17.730	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	226195	94.097	ug/l	95
59) 2-Hexanone	10.97	43	190816	83.212	ug/l	100
60) Dibromochloromethane	11.13	129	82264	18.130	ug/l	99
61) 1,2-Dibromoethane	11.24	107	62620	17.886	ug/l	98
64) Tetrachloroethene	10.86	164	87855	19.307	ug/l	98
65) Chlorobenzene	11.66	112	258002	18.805	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	92750	18.895	ug/l	99
67) Ethyl Benzene	11.73	91	462534	18.340	ug/l	99
68) m/p-Xylenes	11.84	106	358771	36.665	ug/l	98
69) o-Xylene	12.16	106	169854	18.269	ug/l	96
70) Styrene	12.18	104	274607	17.881	ug/l	98
71) Bromoform	12.35	173	49738	18.009	ug/l #	100
73) Isopropylbenzene	12.46	105	471470	18.289	ug/l	99
74) N-amyl acetate	12.27	43	108751	16.375	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	71020	17.401	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	61683m	20.517	ug/l	
77) Bromobenzene	12.75	156	105902	18.810	ug/l	95
78) n-propylbenzene	12.80	91	561428	18.133	ug/l	99
79) 2-Chlorotoluene	12.90	91	310169	17.752	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	392109	18.198	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	25689	16.877	ug/l	98
82) 4-Chlorotoluene	12.99	91	325981	17.524	ug/l	97
83) tert-Butylbenzene	13.21	119	356025	18.568	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	394041	17.992	ug/l	99
85) sec-Butylbenzene	13.38	105	500204	18.267	ug/l	99
86) p-Isopropyltoluene	13.50	119	443413	18.486	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	211010	18.558	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	210282	18.610	ug/l	99
89) n-Butylbenzene	13.83	91	417534	17.729	ug/l	99
90) Hexachloroethane	14.10	117	87570	18.668	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	185301	18.419	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13715	17.711	ug/l	97

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ClientSampleId :
VW0128SBSD01

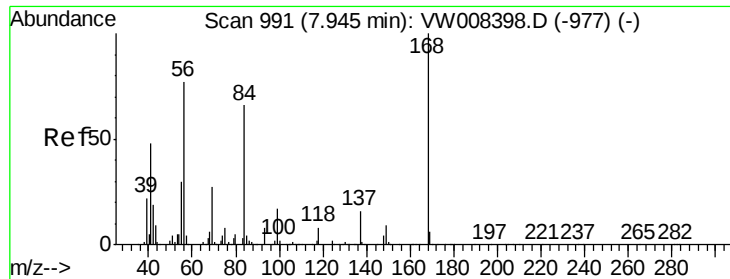
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	136136	18.962	ug/l	99
94) Hexachlorobutadiene	15.24	225	82778	19.132	ug/l	99
95) Naphthalene	15.37	128	226602	17.976	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	114560	18.811	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

Instrument :

MSVOA_W

ClientSampleId :

VW0128SBSD01

Tot Ion:168 Resp: 494731

Ion Ratio Lower Upper

168 100

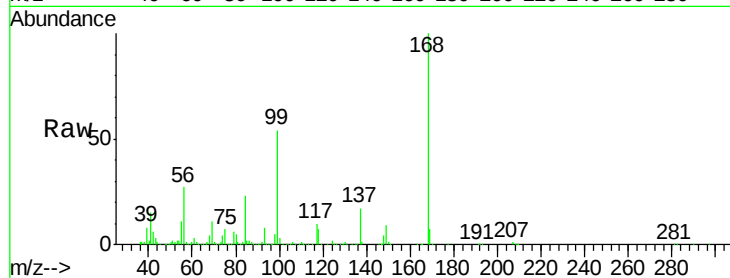
99 53.7 45.5 68.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

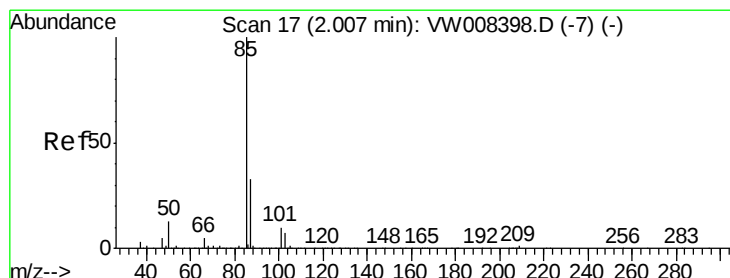
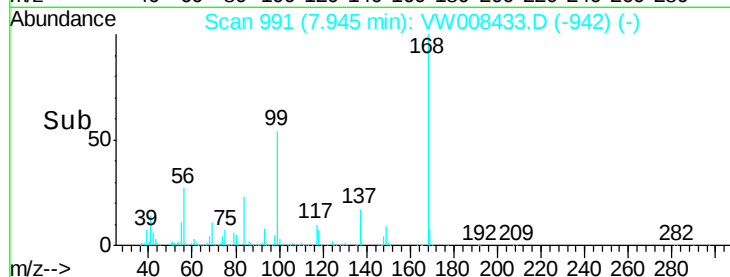
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 15.906 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW008433.D

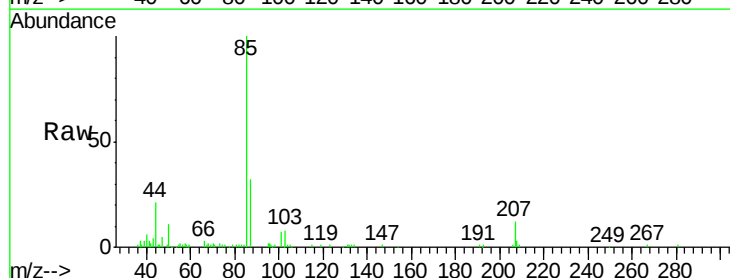
Acq: 28 Jan 2019 12:20

Tgt Ion: 85 Resp: 38694

Ion Ratio Lower Upper

85 100

87 31.7 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

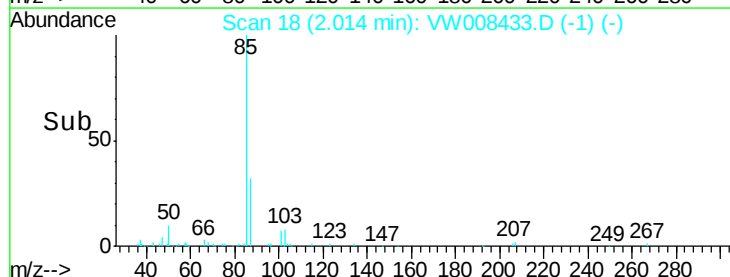
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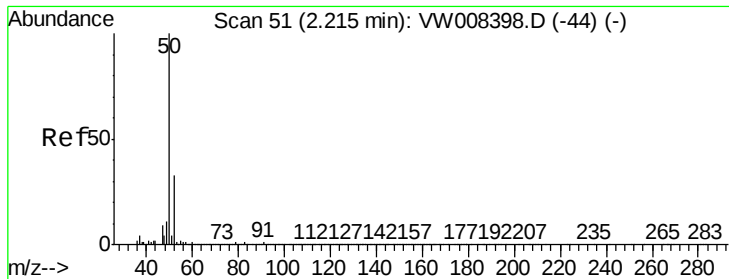
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 15.514 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

Instrument :

MSVOA_W

ClientSampleId :

VW0128SBS01

Tot Ion: 50 Resp: 62652

Ion Ratio Lower Upper

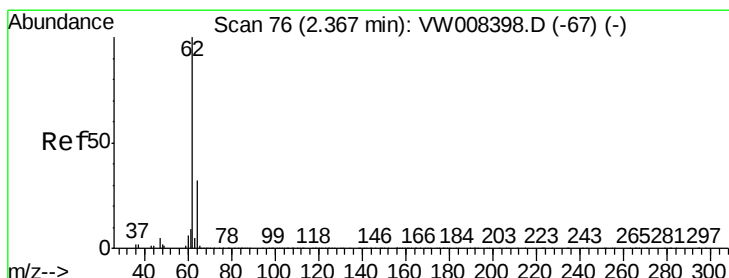
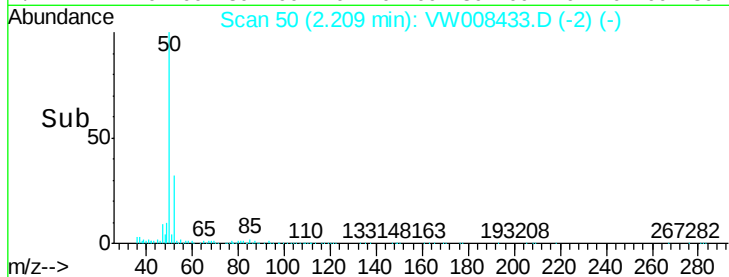
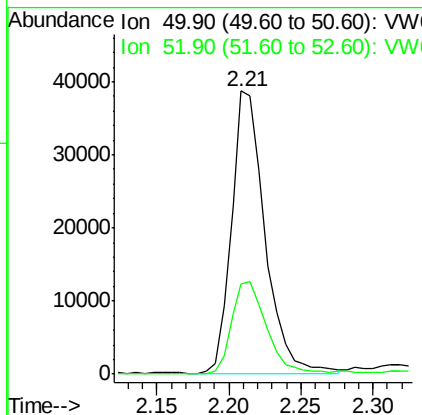
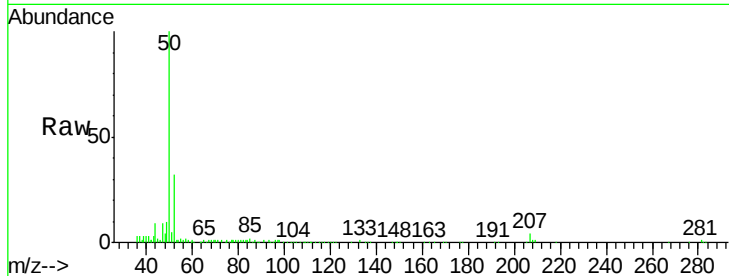
50 100

52 31.8 26.3 39.5

Manual Integrations
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1/29/2019 12:19:52 PM



#4

Vinyl Chloride

Concen: 17.175 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008433.D

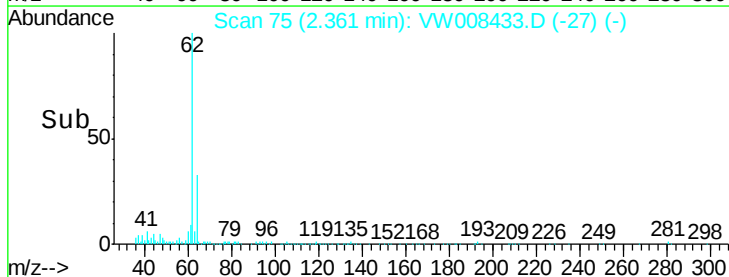
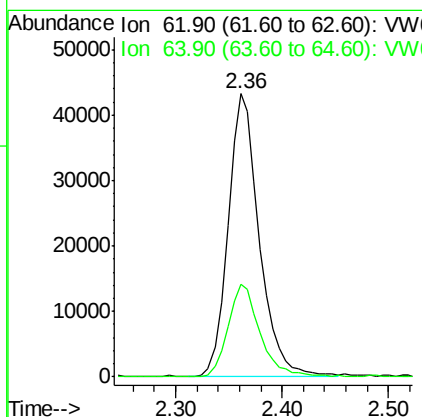
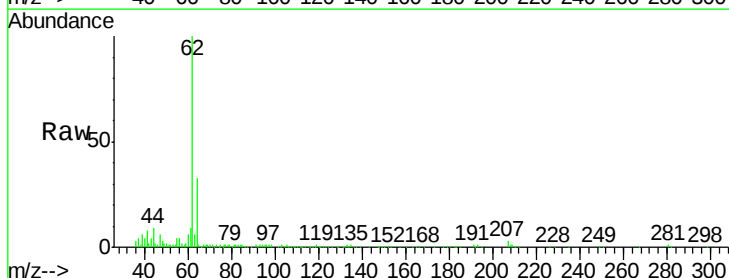
Acq: 28 Jan 2019 12:20

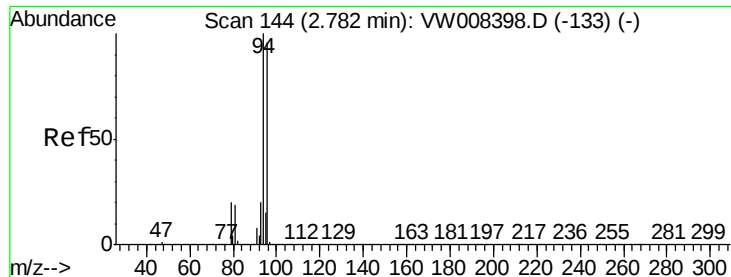
Tgt Ion: 62 Resp: 88292

Ion Ratio Lower Upper

62 100

64 32.6 25.5 38.3





#5

Bromomethane

Concen: 19.208 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

Instrument :

MSVOA_W

ClientSampleId :

VW0128SBS01

Tot Ion: 94 Resp: 63689

Ion Ratio Lower Upper

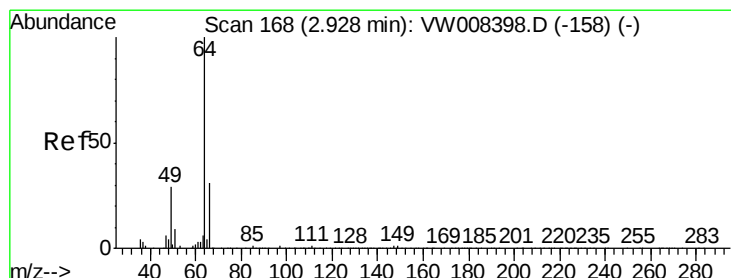
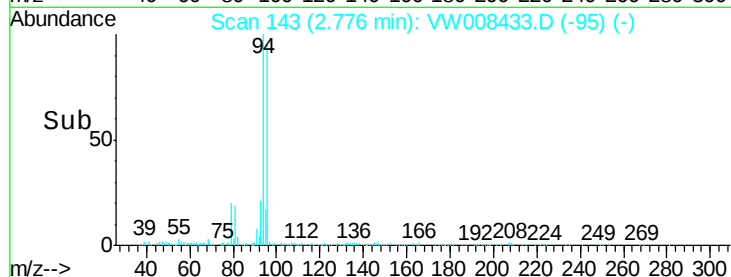
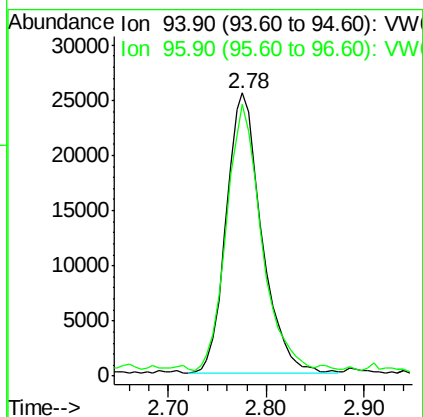
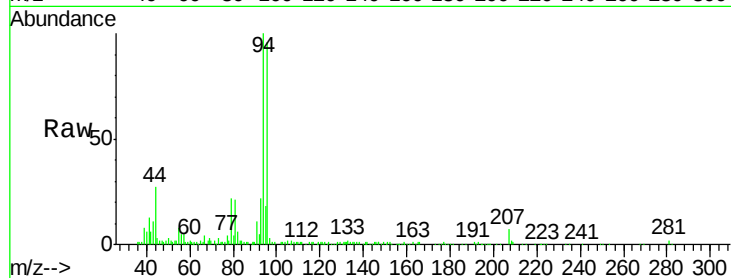
94 100

96 94.8 77.2 115.8

Manual Integrations
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1/29/2019 12:19:52 PM



#6

Chloroethane

Concen: 18.771 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW008433.D

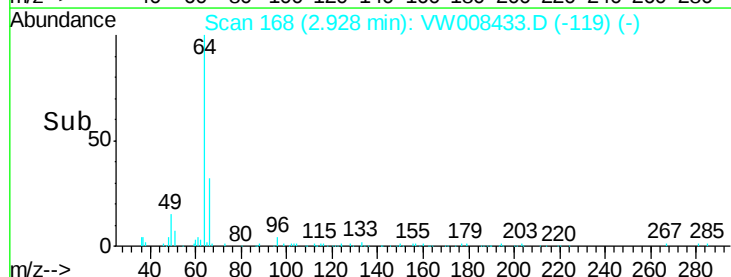
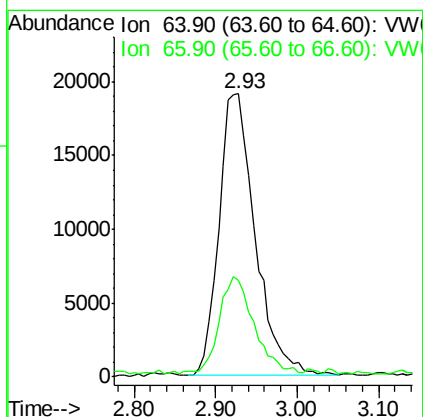
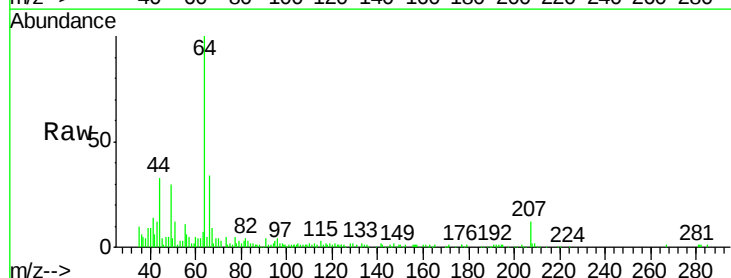
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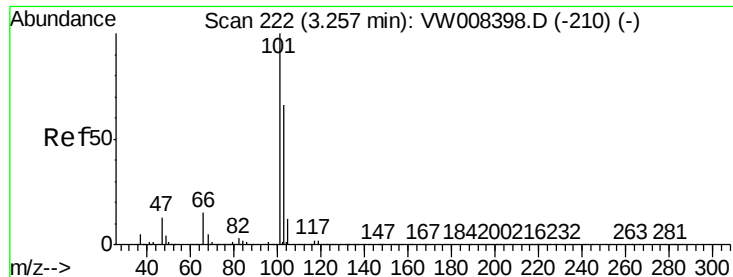
Tgt Ion: 64 Resp: 59015

Ion Ratio Lower Upper

64 100

66 32.9 24.9 37.3





#7

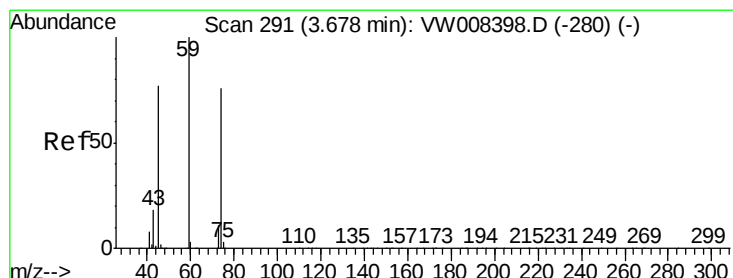
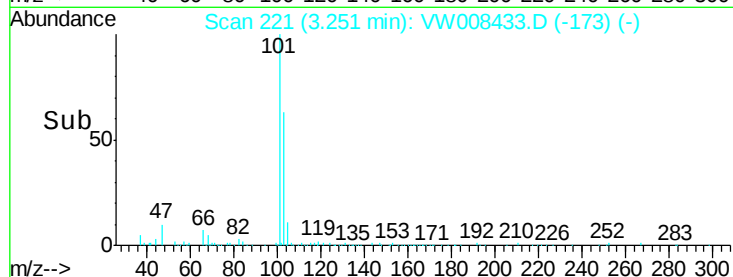
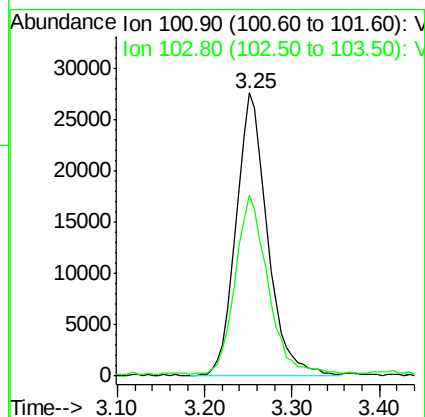
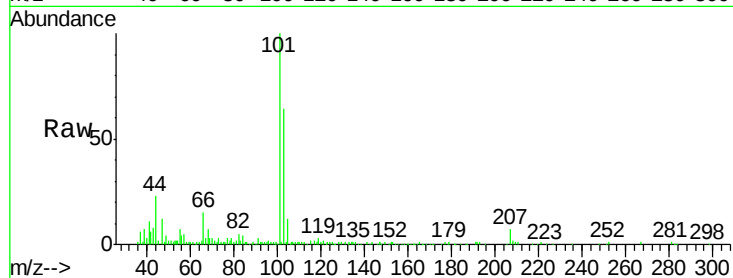
Trichlorofluoromethane
Concen: 18.734 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008433.D
Acq: 28 Jan 2019 12:20

Instrument :
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ClientSampleId :
VW0128SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.5	78.7

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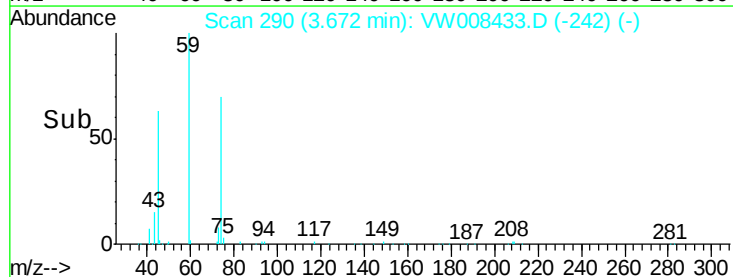
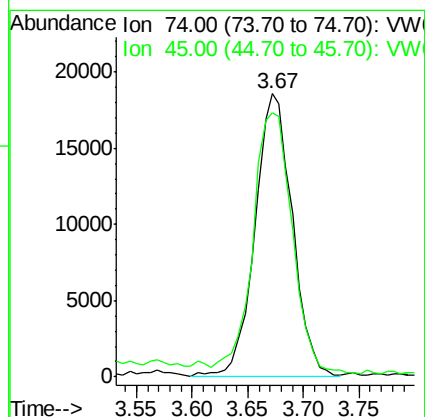
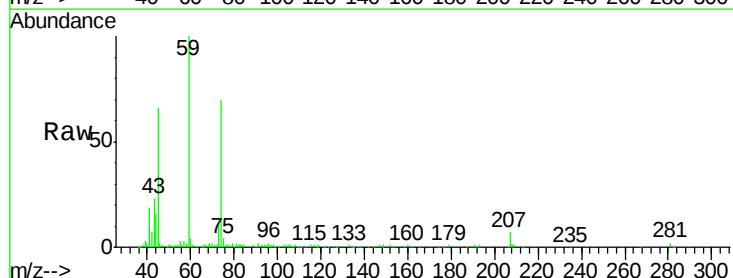
MMDadoda
1/29/2019 12:19:52 PM

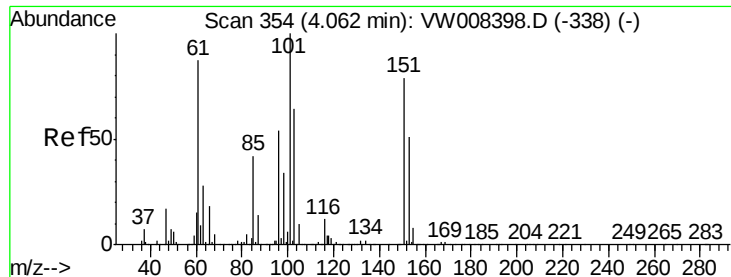


#8

Diethyl Ether
Concen: 17.645 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008433.D
Acq: 28 Jan 2019 12:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.6	51.7	155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.412 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

Instrument :

MSVOA_W

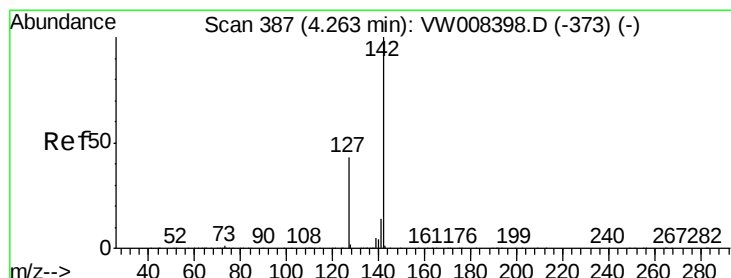
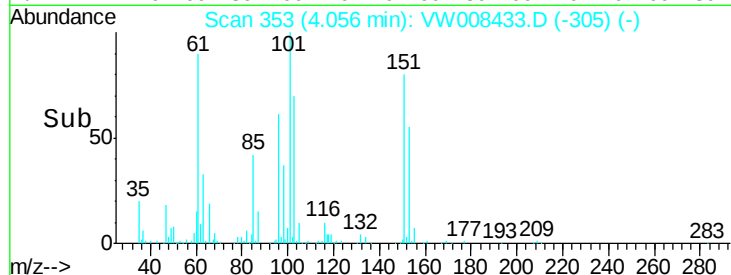
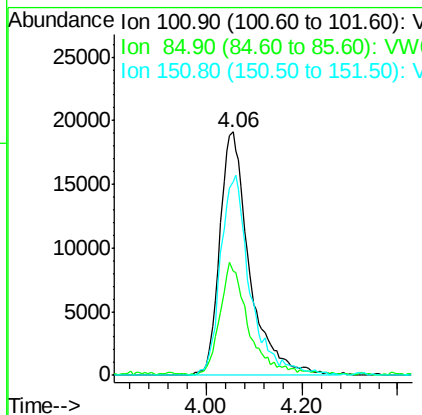
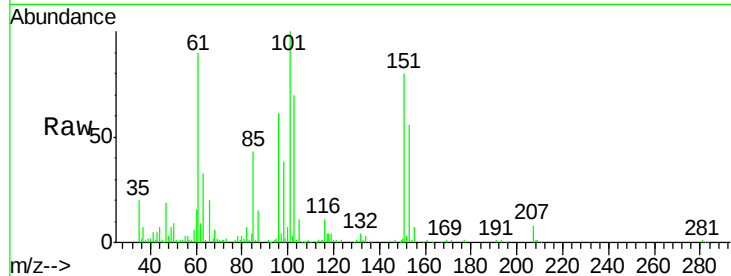
ClientSampleId :

VW0128SBS01

Tot Ion:	101	Resp:	82385
Ion Ratio	Lower	Upper	
101	100		
85	42.8	35.0	52.4
151	78.0	62.6	94.0

Manual Integrations
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#10

Methyl Iodide

Concen: 18.888 ug/l

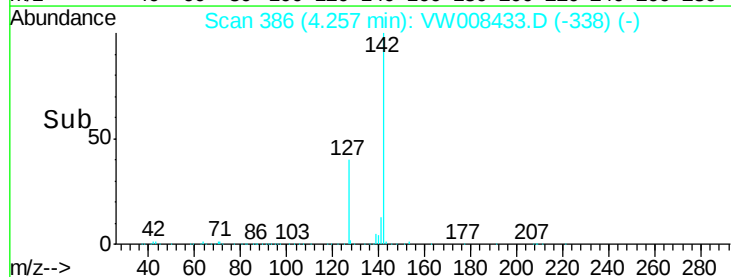
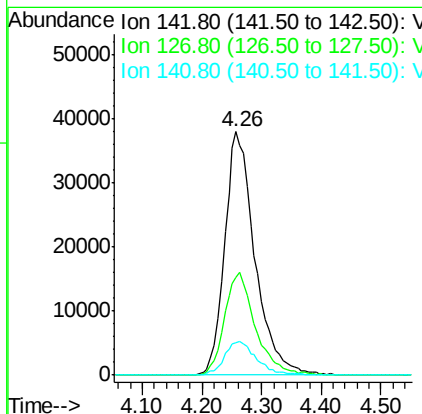
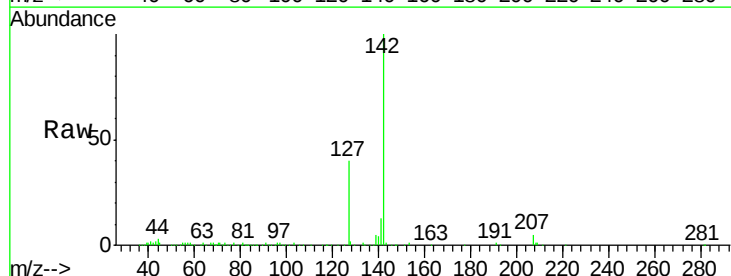
RT: 4.26 min Scan# 386

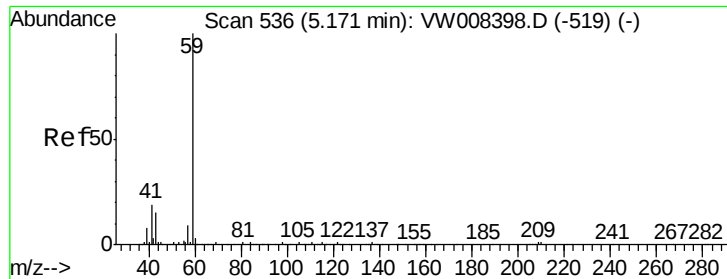
Delta R.T. -0.01 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

Tgt Ion:	142	Resp:	133494
Ion Ratio	Lower	Upper	
142	100		
127	43.0	34.6	52.0
141	15.0	11.4	17.2





#11

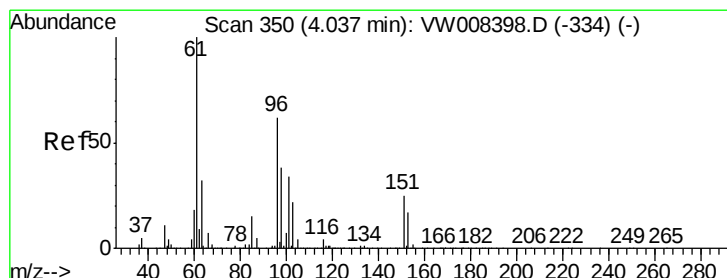
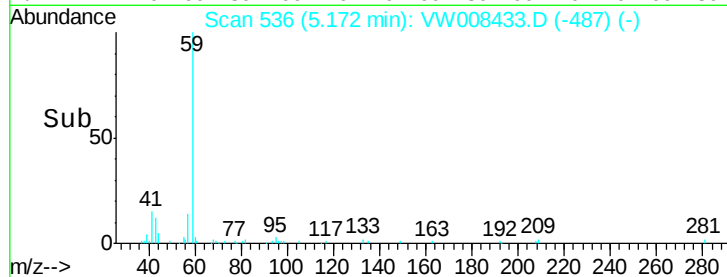
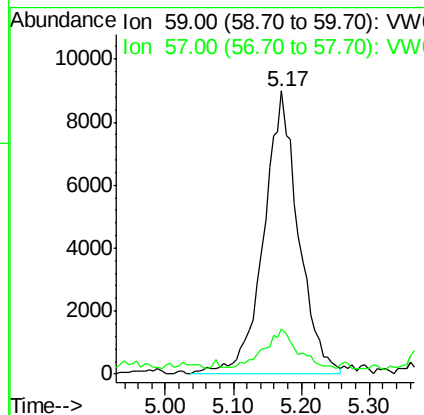
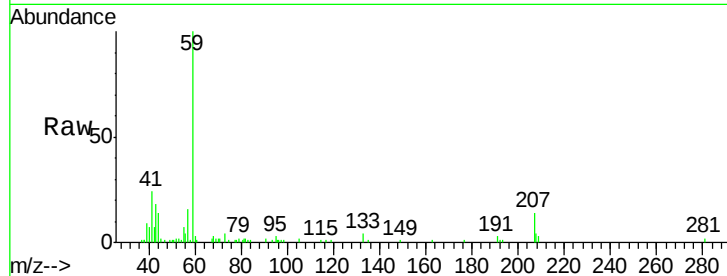
Tert butyl alcohol
Concen: 81.703 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW008433.D
Acq: 28 Jan 2019 12:20

Instrument :
MSVOA_W
ClientSampleId :
VW0128SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.5	9.3	13.9

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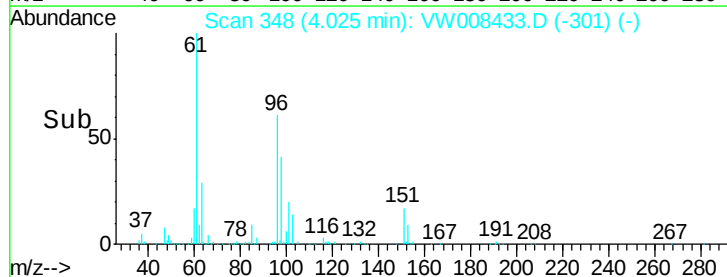
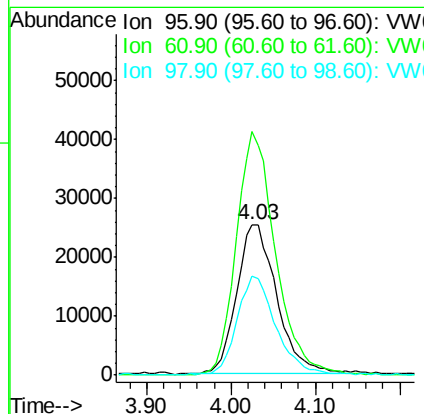
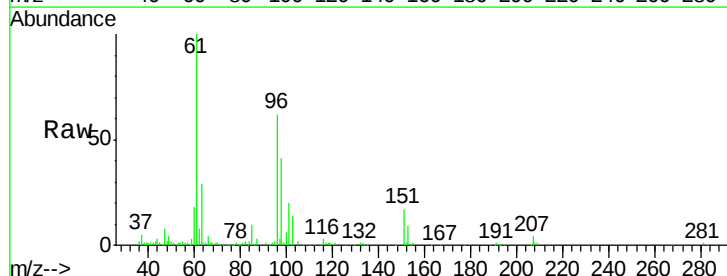
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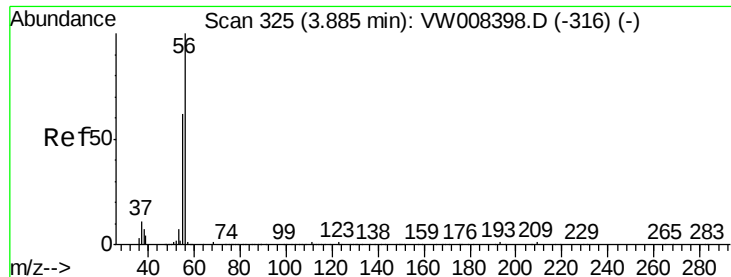


#12

1,1-Dichloroethene
Concen: 18.053 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW008433.D
Acq: 28 Jan 2019 12:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.8	129.5	194.3
98	65.6	48.6	73.0





#13

Acrolein

Concen: 95.769 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

Instrument :

MSVOA_W

ClientSampleId :

VW0128SBS01

Tot Ion: 56 Resp: 32157

Ion Ratio Lower Upper

56 100

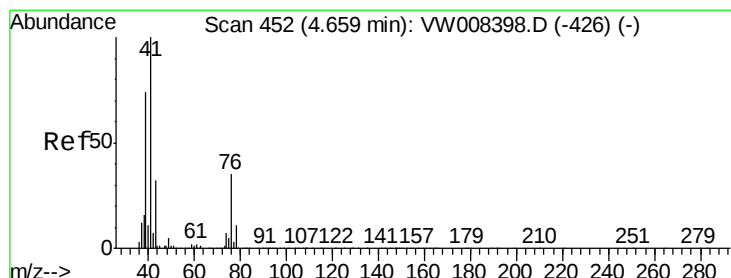
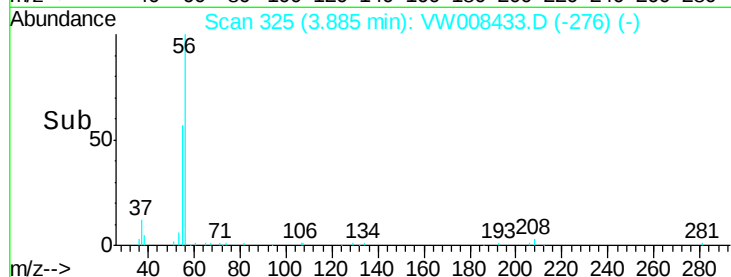
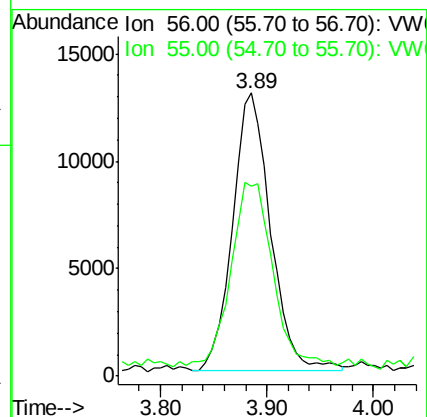
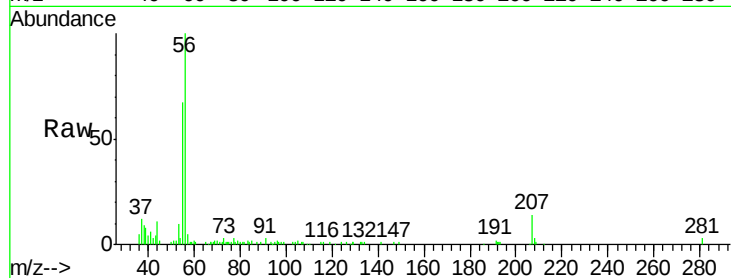
55 74.1 56.7 85.1

Manual Integrations

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1/29/2019 12:19:52 PM



#14

Allyl chloride

Concen: 17.019 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

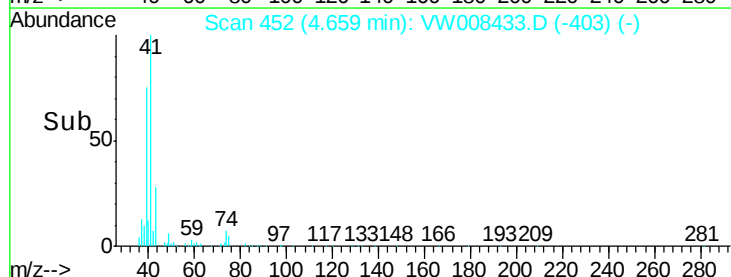
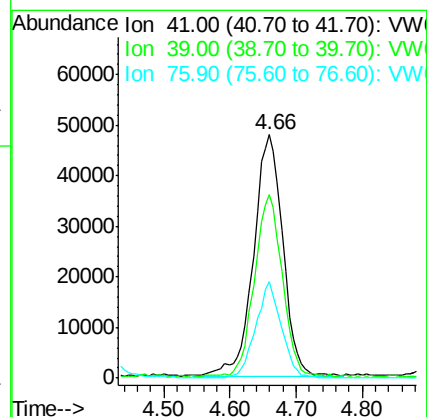
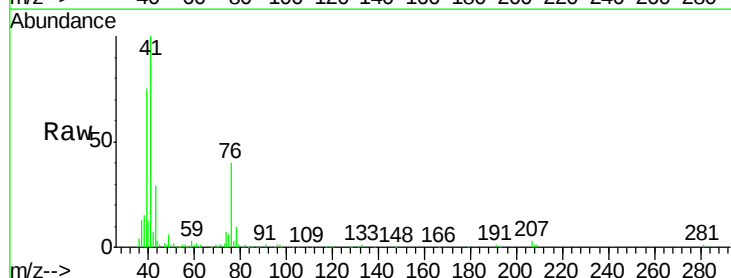
Tgt Ion: 41 Resp: 146346

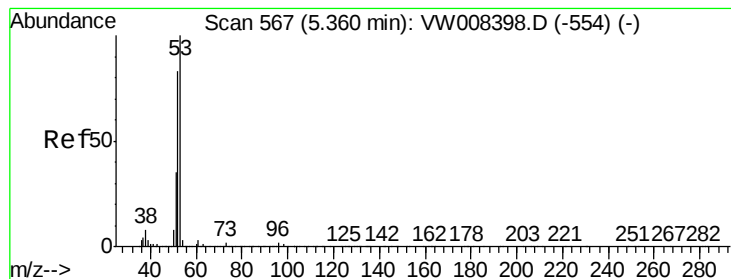
Ion Ratio Lower Upper

41 100

39 71.7 57.7 86.5

76 35.3 26.9 40.3





#15

Acrylonitrile

Concen: 83.388 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

Instrument :

MSVOA_W

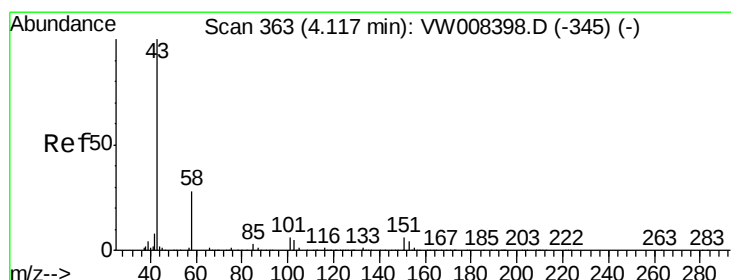
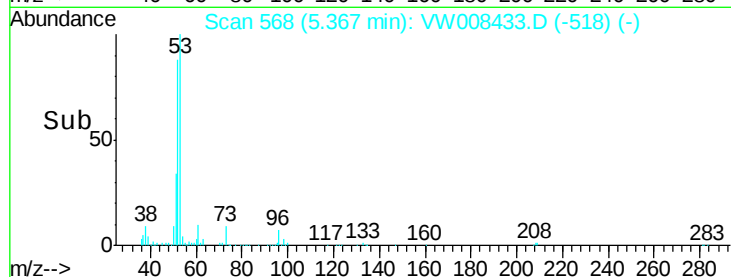
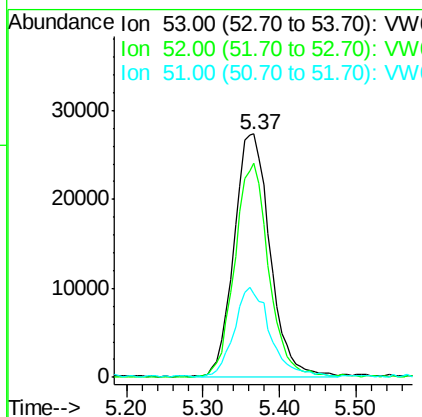
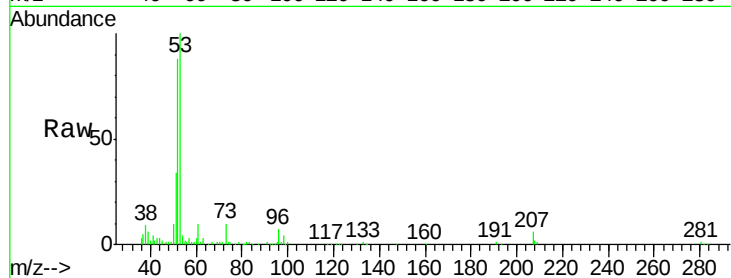
ClientSampleId :

VW0128SBS01

Tot Ion:	53	Resp:	88839
Ion Ratio	Lower	Upper	
53	100		
52	83.9	67.0	100.4
51	37.8	29.8	44.8

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1/29/2019 12:19:52 PM



#16

Acetone

Concen: 80.994 ug/l

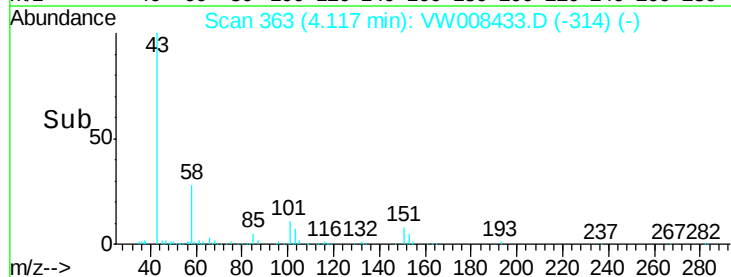
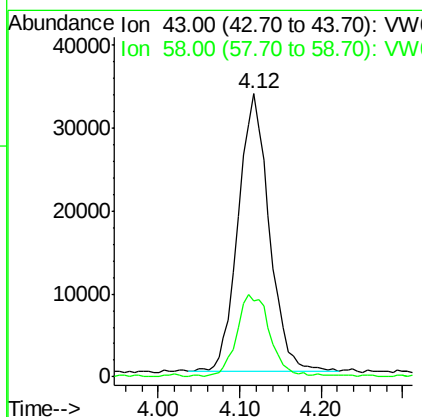
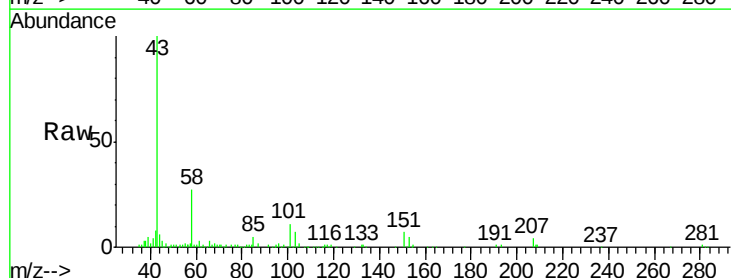
RT: 4.12 min Scan# 363

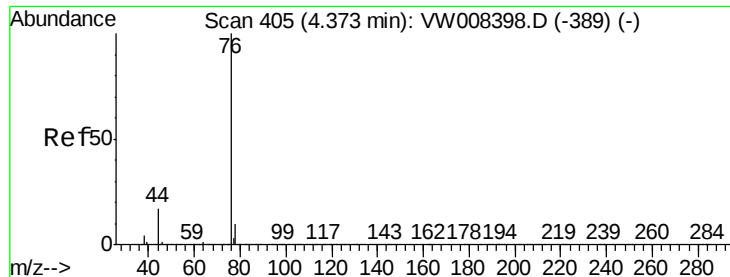
Delta R.T. 0.00 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

Tgt Ion:	43	Resp:	88400
Ion Ratio	Lower	Upper	
43	100		
58	27.6	22.6	34.0





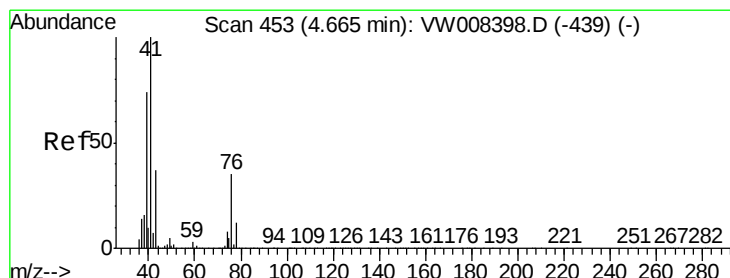
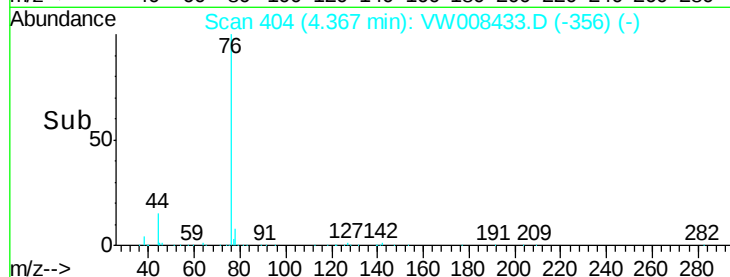
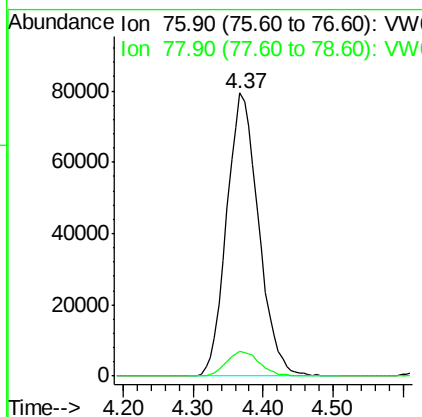
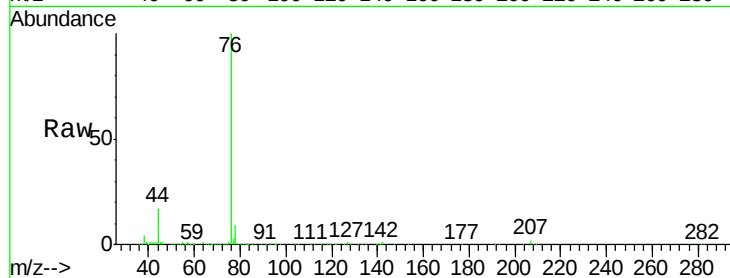
#17
Carbon Disulfide
Concen: 17.439 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW008433.D
Acq: 28 Jan 2019 12:20

Instrument :
MSVOA_W
ClientSampleId :
VW0128SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.7	11.5

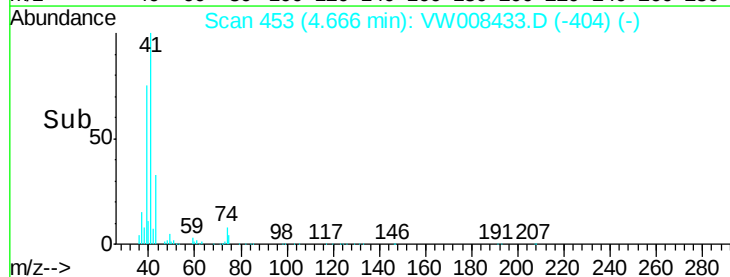
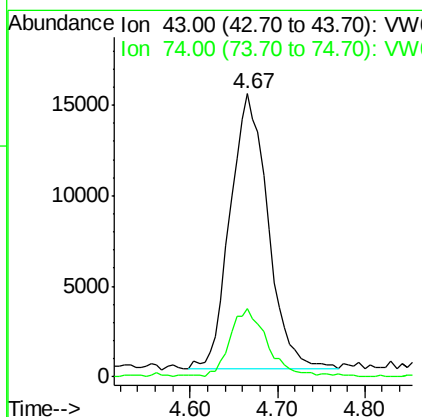
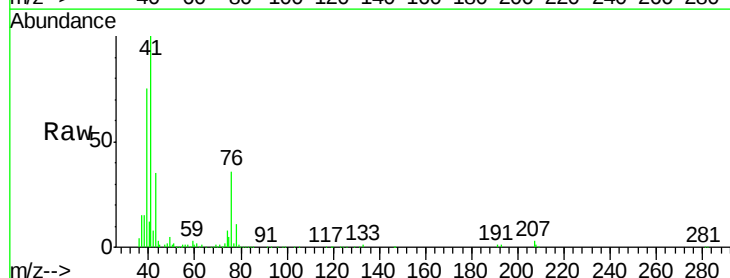
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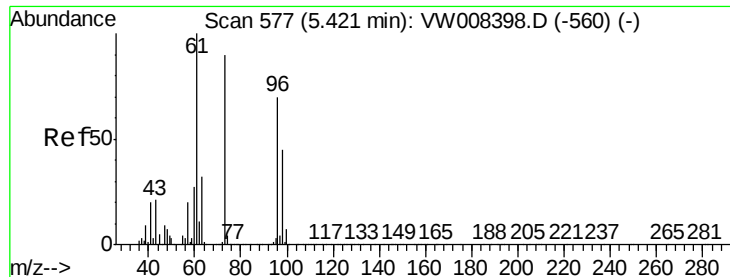
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1/29/2019 12:19:52 PM



#18
Methyl Acetate
Concen: 15.752 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW008433.D
Acq: 28 Jan 2019 12:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	17.5	26.3





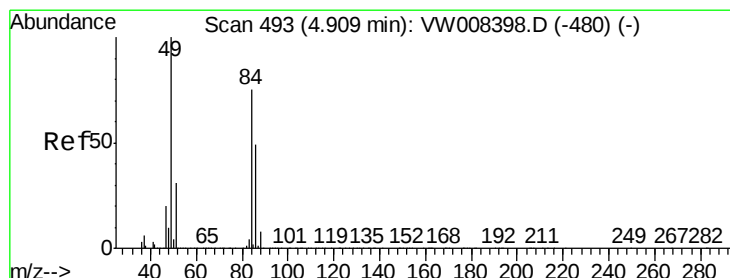
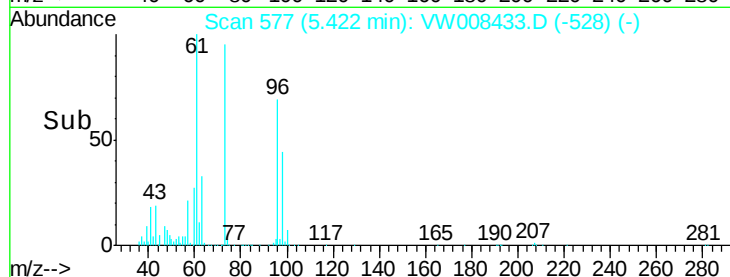
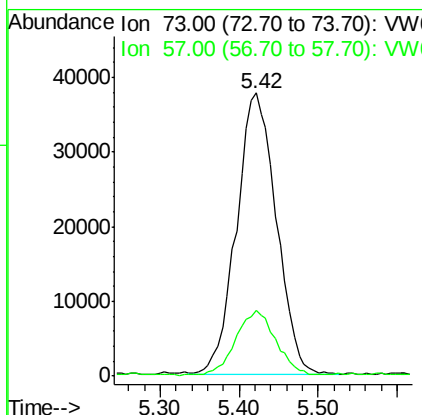
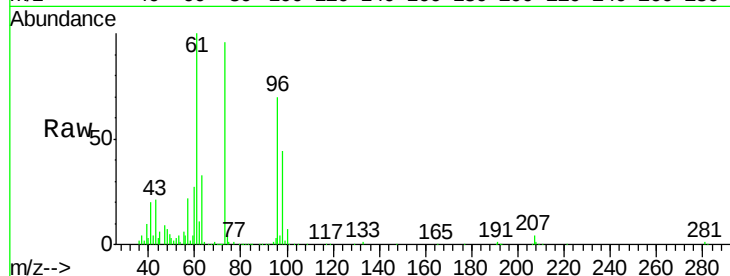
#19
Methvl tert-butvl Ether
Concen: 17.633 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW008433.D
Acq: 28 Jan 2019 12:20

Instrument :
MSVOA_W
ClientSampleId :
VW0128SBS01

Tot Ion: 73 Resp: 132110
Ion Ratio Lower Upper
73 100
57 22.9 18.0 27.0

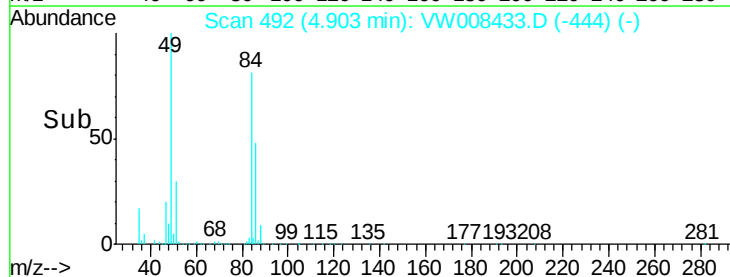
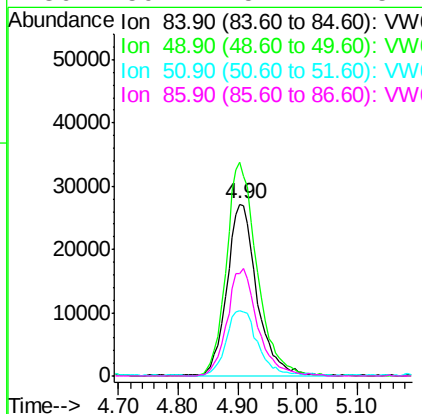
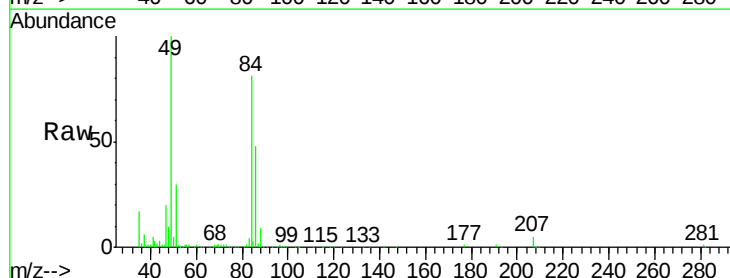
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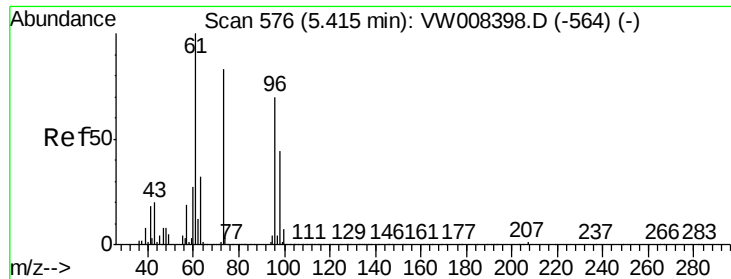
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1/29/2019 12:19:52 PM



#20
Methylene Chloride
Concen: 18.774 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008433.D
Acq: 28 Jan 2019 12:20

Tgt Ion: 84 Resp: 94445
Ion Ratio Lower Upper
84 100
49 124.5 106.8 160.2
51 37.3 32.9 49.3
86 59.4 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 17.689 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

Instrument :

MSVOA_W

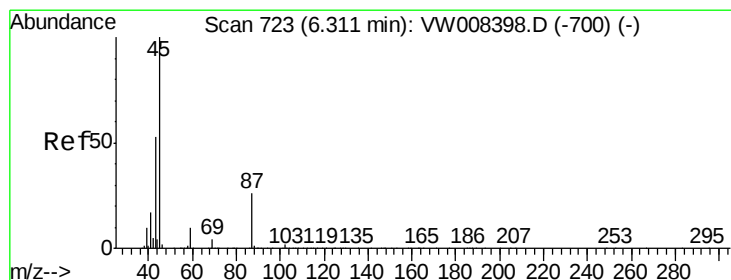
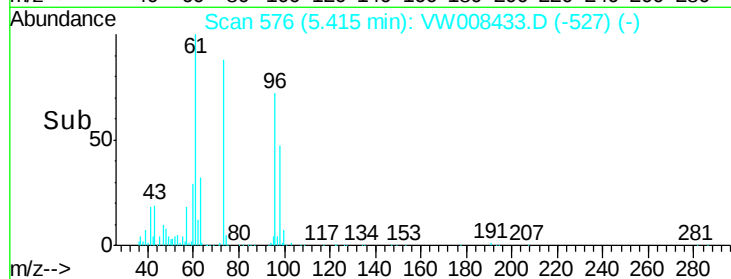
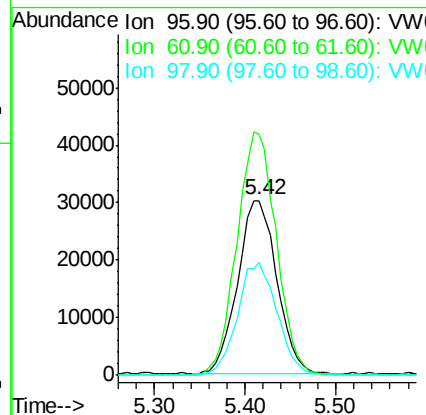
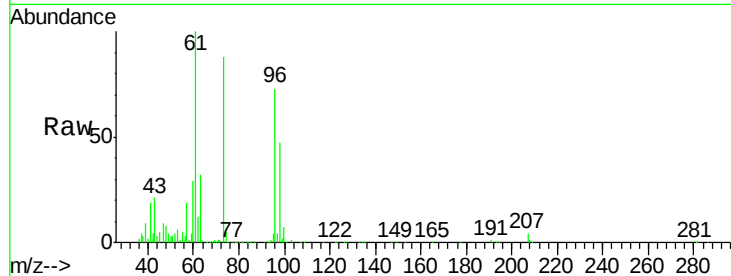
ClientSampleId :

VW0128SBS01

Tot Ion:	96	Resp:	90056
Ion	Ratio	Lower	Upper
96	100		
61	138.8	114.4	171.6
98	65.4	50.6	75.8

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1/29/2019 12:19:52 PM



#22

Diisopropyl ether

Concen: 16.684 ug/l

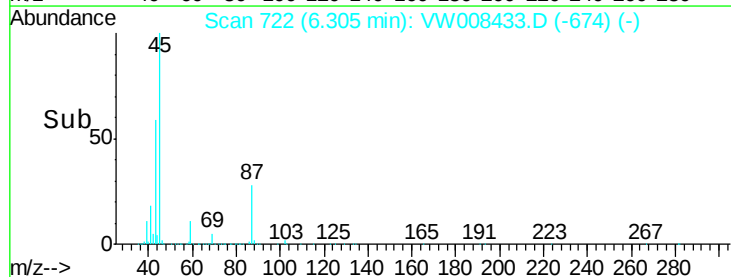
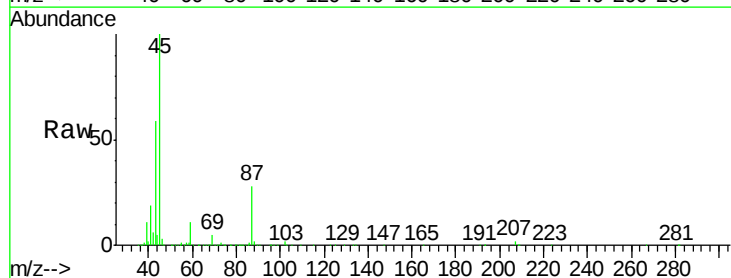
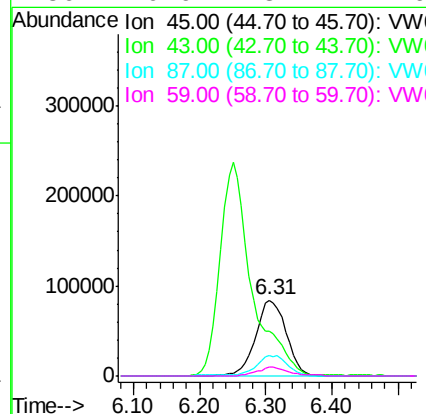
RT: 6.31 min Scan# 722

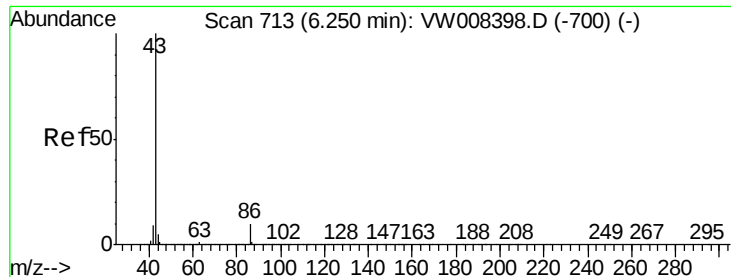
Delta R.T. -0.01 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

Tgt Ion:	45	Resp:	271897
Ion	Ratio	Lower	Upper
45	100		
43	58.5	42.6	63.8
87	27.4	20.3	30.5
59	10.9	8.4	12.6





#23

Vinyl Acetate

Concen: 81.841 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

Instrument :

MSVOA_W

ClientSampleId :

VW0128SBS01

Tot Ion: 43 Resp: 787563

Ion Ratio Lower Upper

43 100

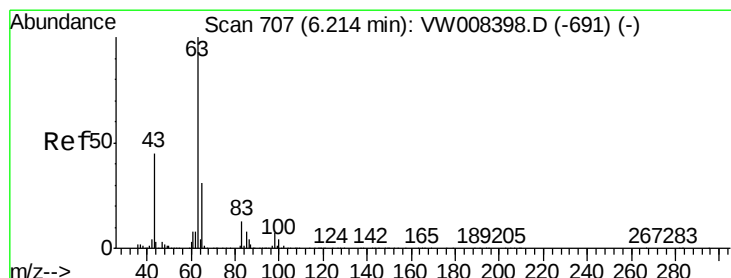
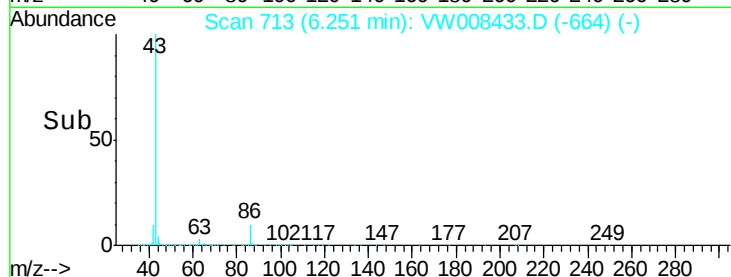
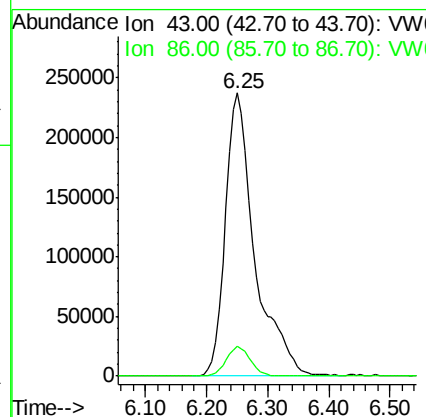
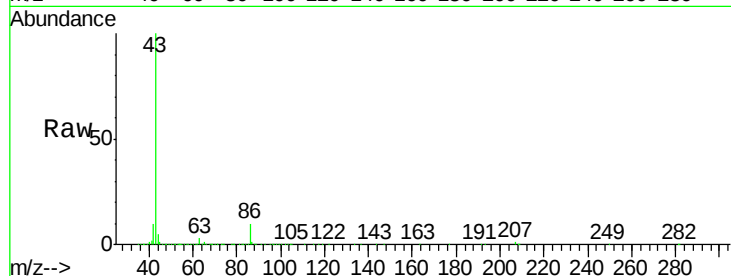
86 10.4 7.8 11.8

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1/29/2019 12:19:52 PM



#24

1,1-Dichloroethane

Concen: 17.230 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

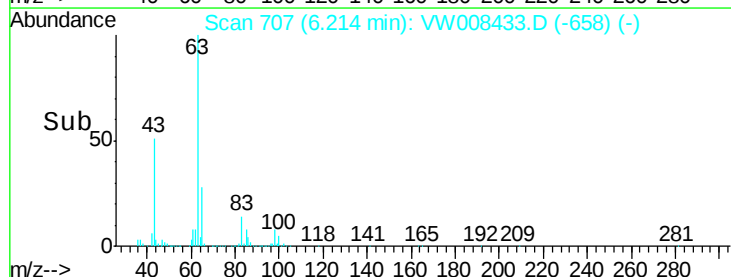
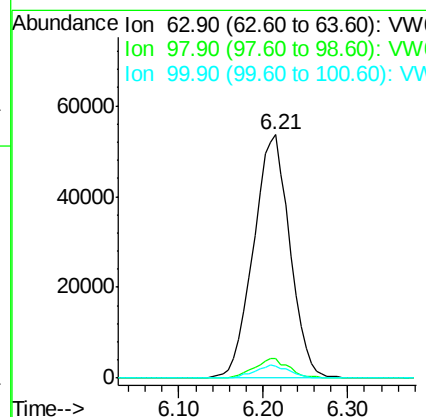
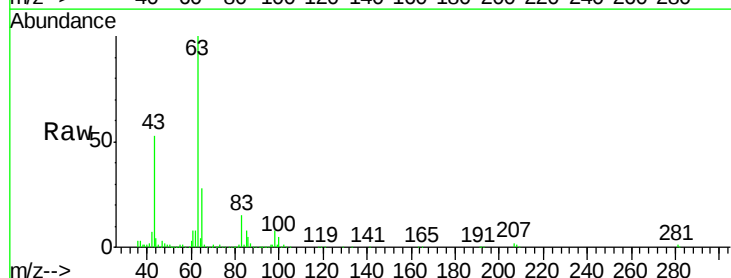
Tgt Ion: 63 Resp: 158943

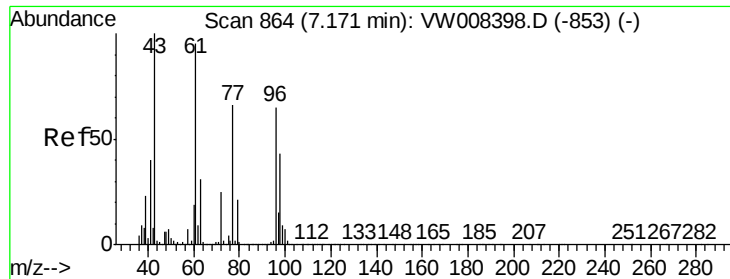
Ion Ratio Lower Upper

63 100

98 7.8 3.5 10.5

100 5.0 2.1 6.2





#25

2-Butanone

Concen: 81.687 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

Instrument :

MSVOA_W

ClientSampleId :

VW0128SBS01

Tot Ion: 43 Resp: 123837

Ion Ratio Lower Upper

43 100

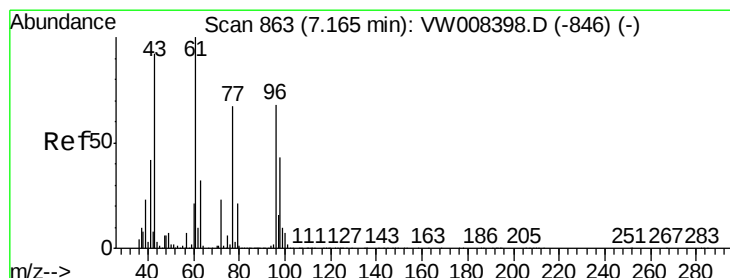
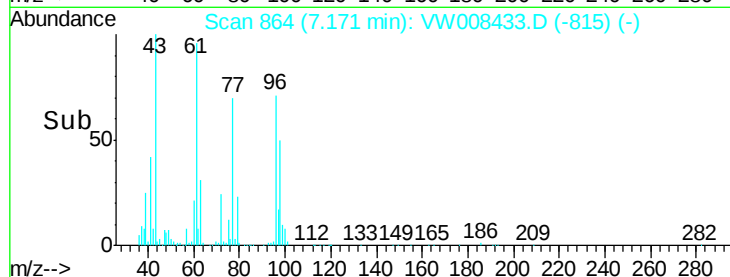
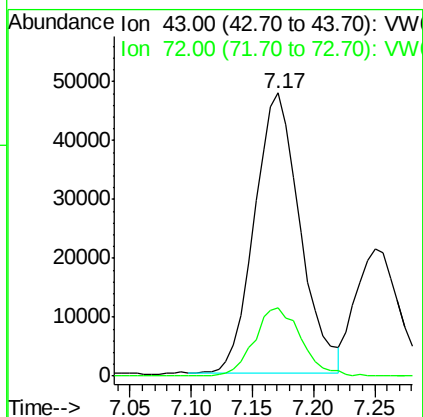
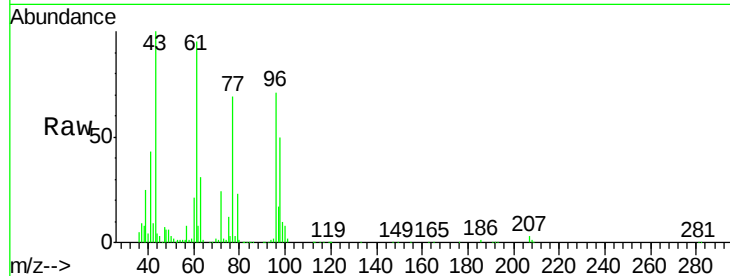
72 24.3 20.1 30.1

Manual Integrations

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1/29/2019 12:19:52 PM



#26

2,2-Dichloropropane

Concen: 18.218 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008433.D

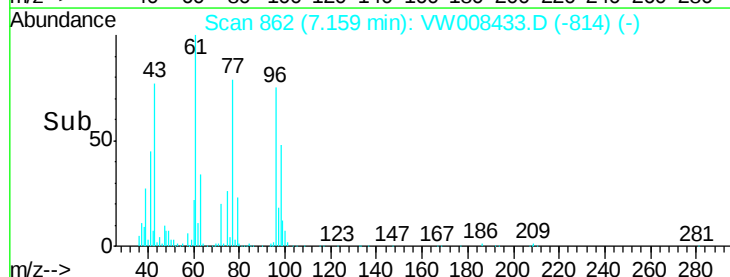
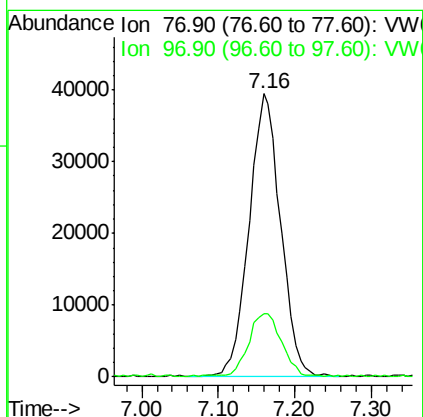
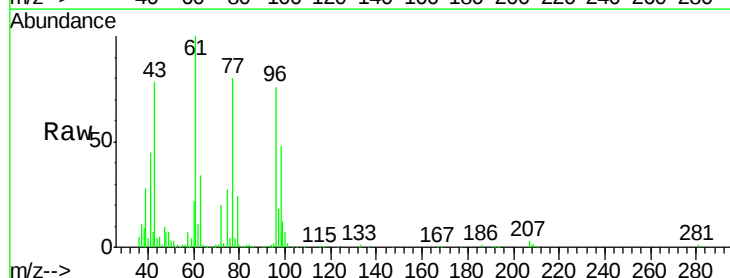
Acq: 28 Jan 2019 12:20

Tgt Ion: 77 Resp: 113598

Ion Ratio Lower Upper

77 100

97 23.1 11.5 34.5





#27

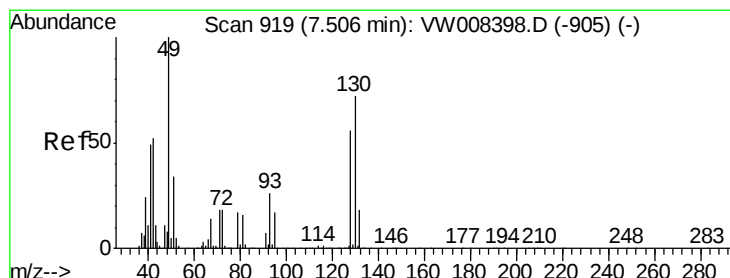
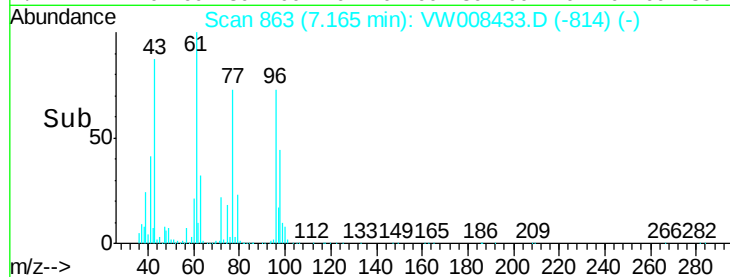
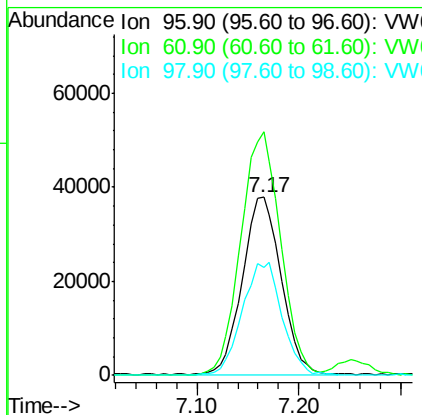
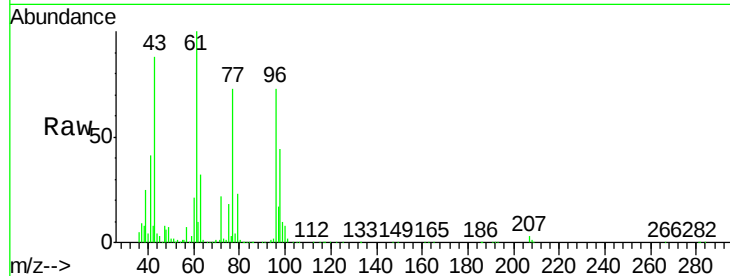
cis-1,2-Dichloroethene
Concen: 17.996 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW008433.D
Acq: 28 Jan 2019 12:20

Instrument :
MSVOA_W
ClientSampleId :
VW0128SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	140.7	0.0	292.8	
98	65.5	0.0	129.2	

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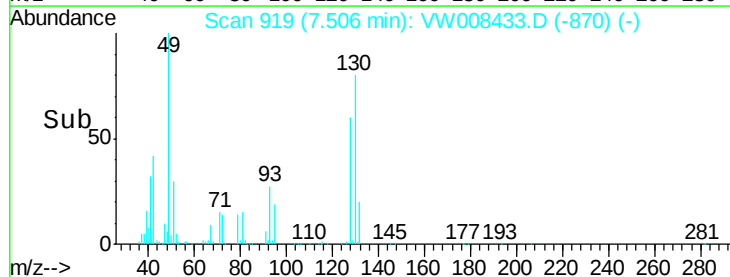
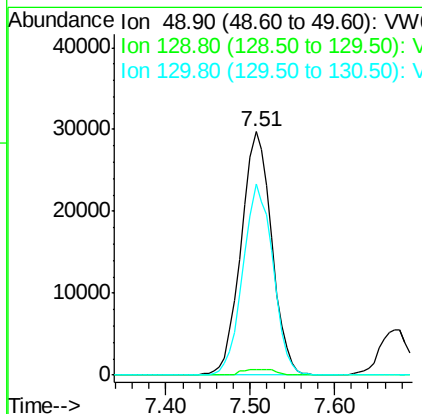
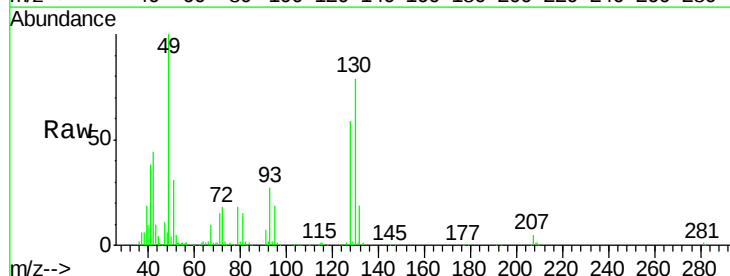
MMDadoda
1/29/2019 12:19:52 PM

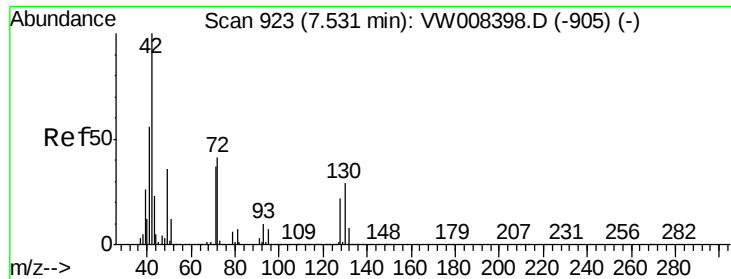


#28

Bromochloromethane
Concen: 17.222 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW008433.D
Acq: 28 Jan 2019 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.5	0.0	4.6	
130	77.3	58.6	87.8	





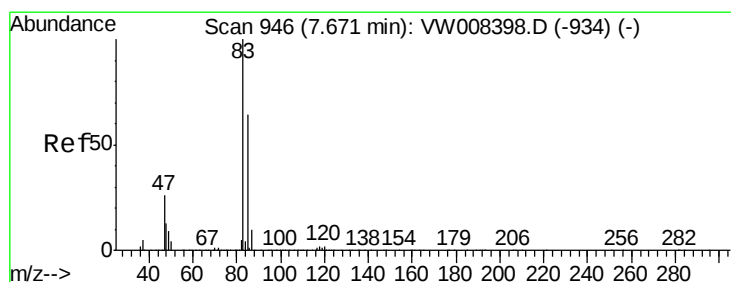
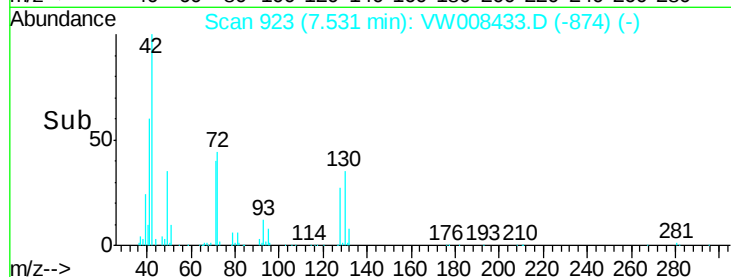
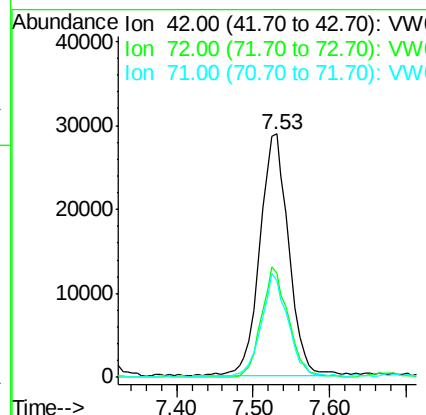
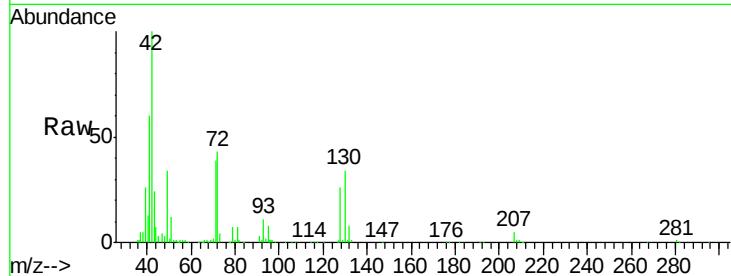
#29
Tetrahydrofuran
Concen: 78.931 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008433.D
Acq: 28 Jan 2019 12:20

Instrument :
MSVOA_W
ClientSampleId :
VW0128SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.8	31.9	47.9
71	39.3	29.9	44.9

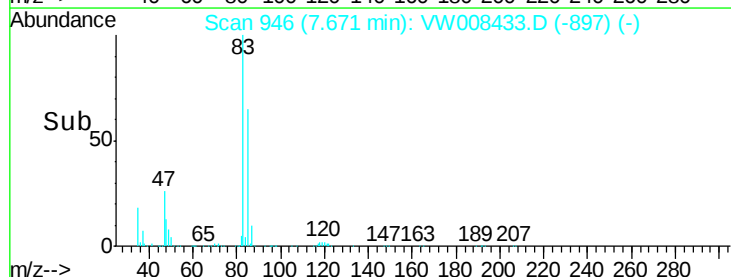
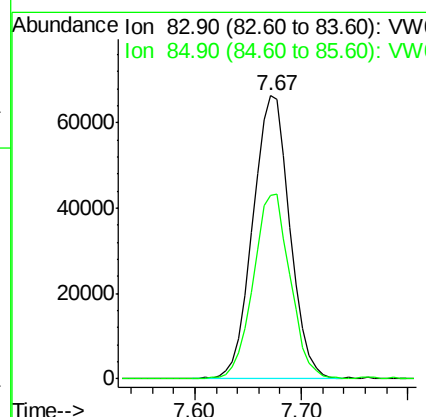
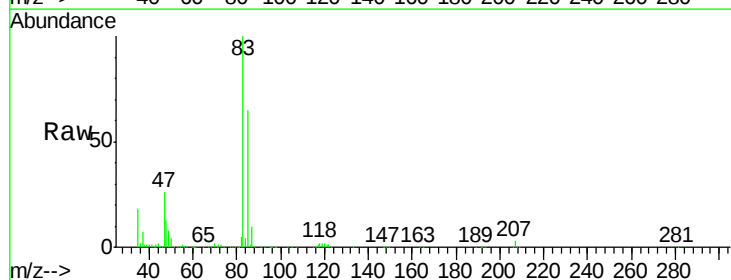
Manual Integrations
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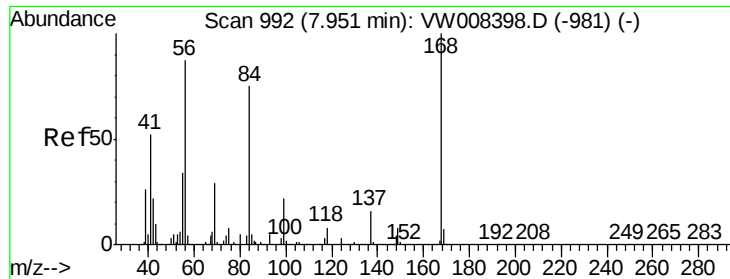
MMDadoda
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#30
Chloroform
Concen: 17.824 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008433.D
Acq: 28 Jan 2019 12:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.9	76.3





#31

Cyclohexane

Concen: 17.004 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

Instrument :

MSVOA_W

ClientSampleId :

VW0128SBS01

Tot Ion: 56 Resp: 162198

Ion Ratio Lower Upper

56 100

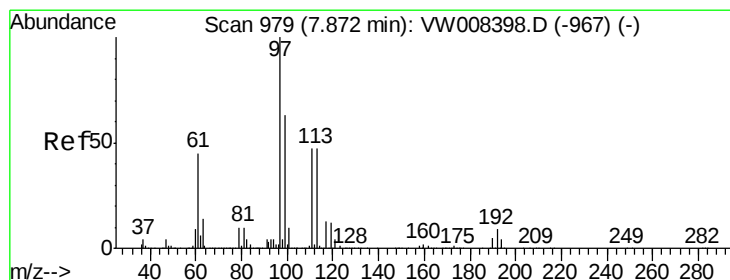
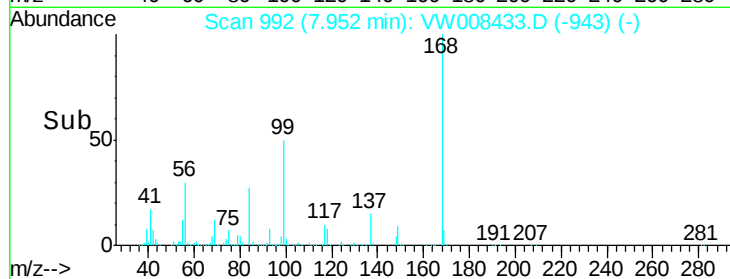
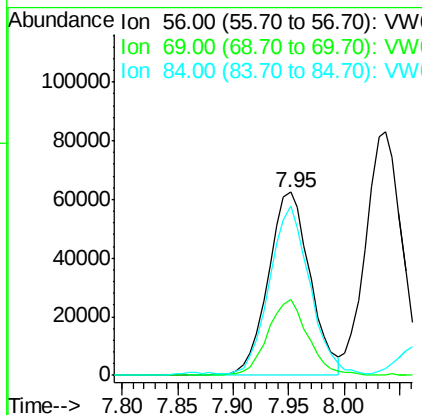
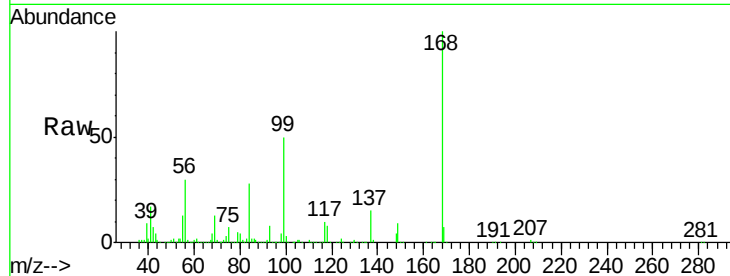
69 41.4 26.4 39.6#

84 91.6 69.1 103.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 17.946 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

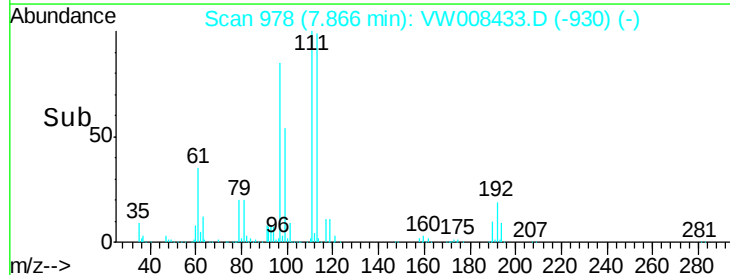
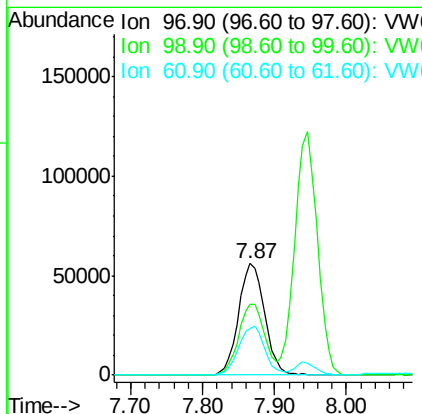
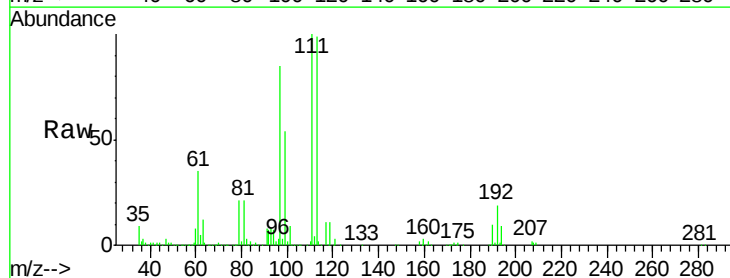
Tgt Ion: 97 Resp: 140641

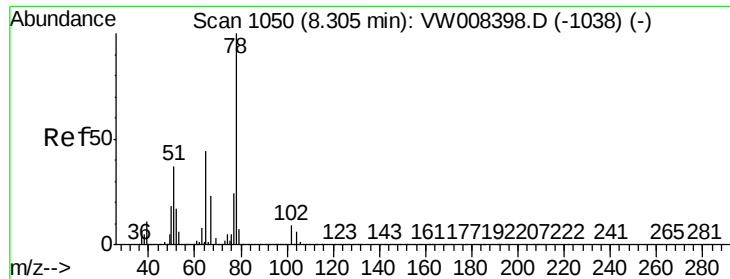
Ion Ratio Lower Upper

97 100

99 64.0 51.3 76.9

61 43.6 36.2 54.4





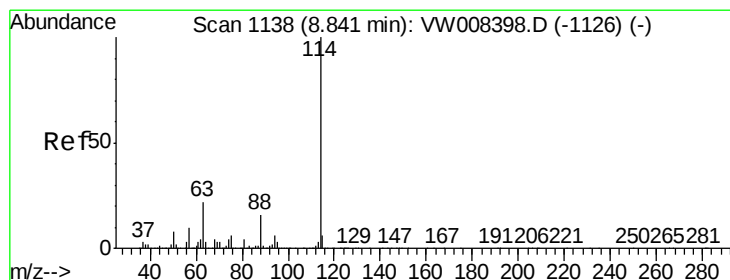
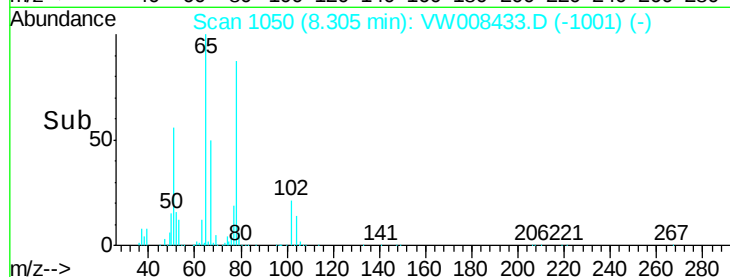
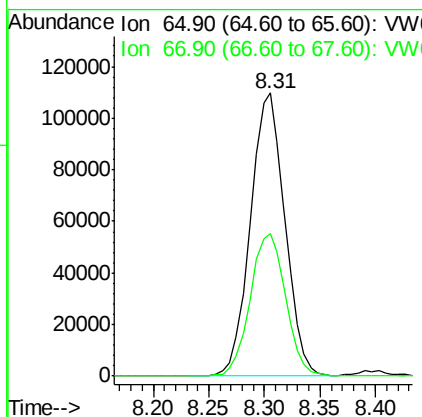
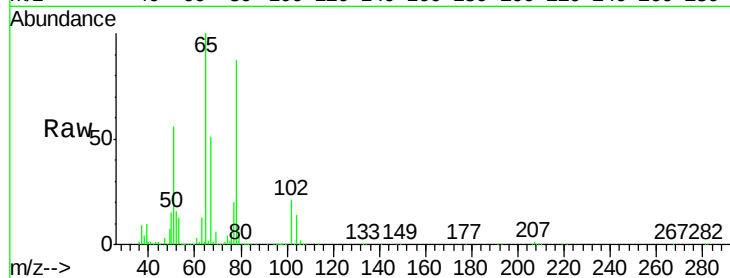
#33
 1,2-Dichloroethane-d4
 Concen: 48.776 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008433.D
 Acq: 28 Jan 2019 12:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0128SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.4	0.0	104.0	

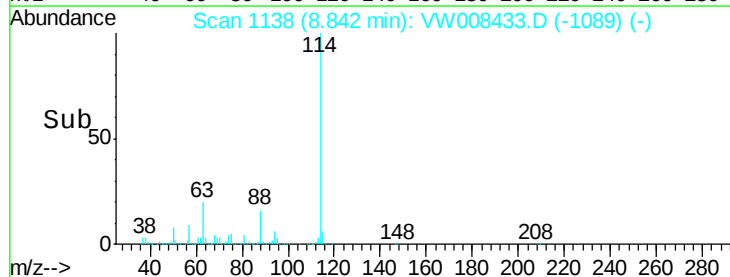
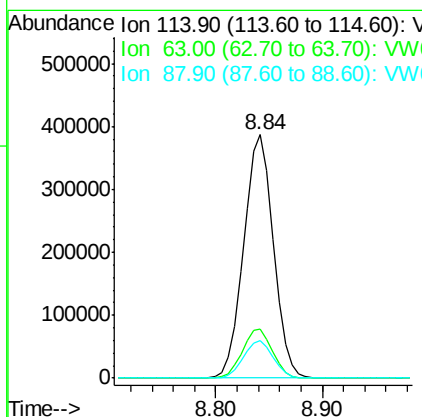
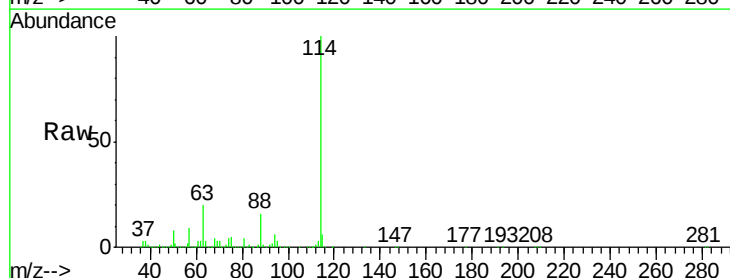
Manual Integrations
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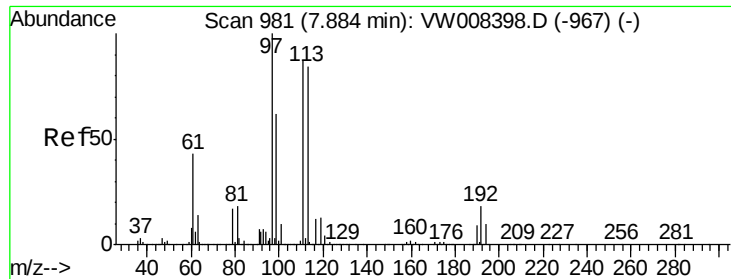
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008433.D
 Acq: 28 Jan 2019 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.1	0.0	43.6	
88	15.6	0.0	31.8	





#35

Dibromofluoromethane

Concen: 52.882 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

Instrument :

MSVOA_W

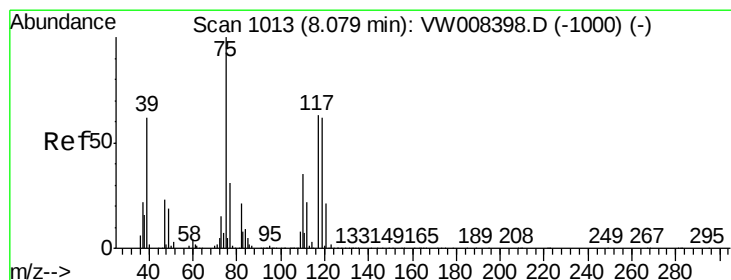
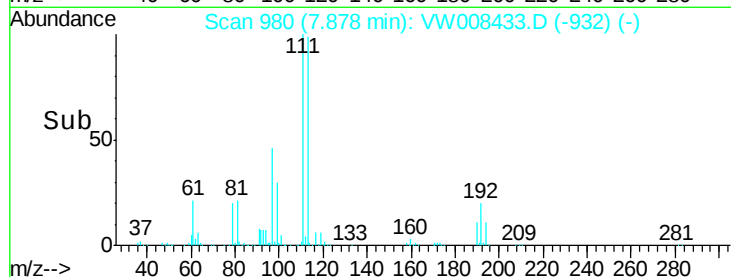
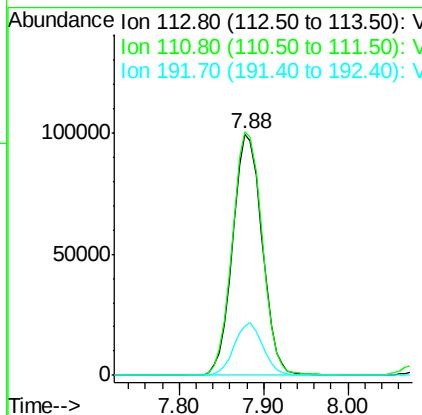
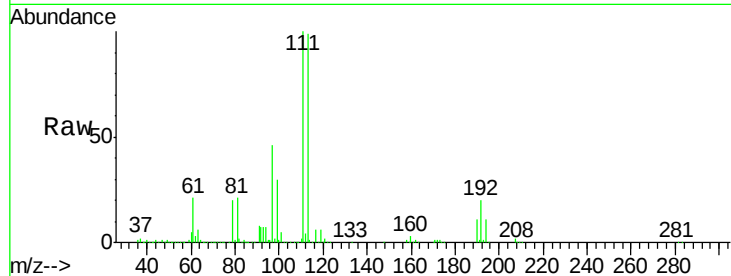
ClientSampleId :

VW0128SBS01

Tot Ion:	113	Resp:	234165
Ion Ratio	Lower	Upper	
113	100		
111	102.6	81.0	121.4
192	21.3	16.8	25.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.404 ug/l

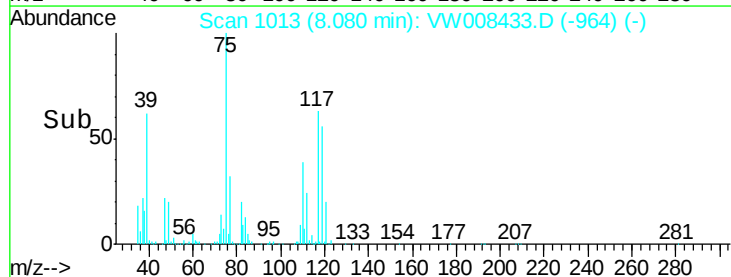
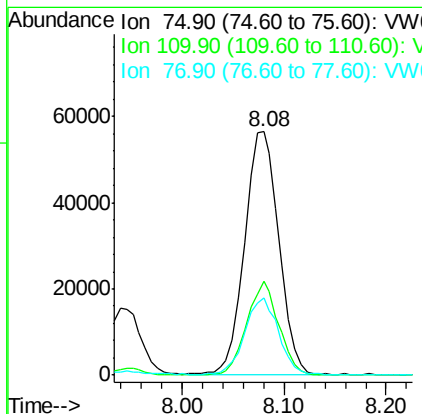
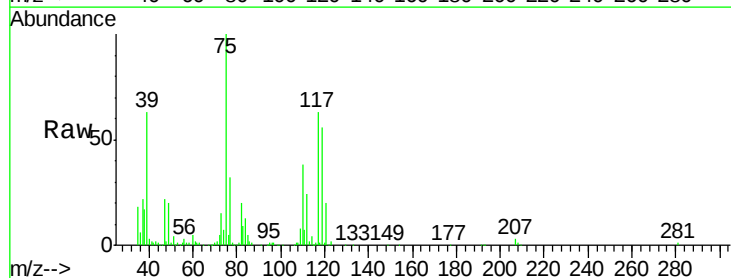
RT: 8.08 min Scan# 1013

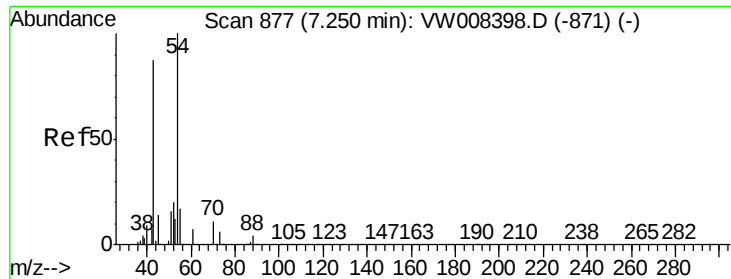
Delta R.T. 0.00 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

Tgt Ion:	75	Resp:	131651
Ion Ratio	Lower	Upper	
75	100		
110	36.1	17.3	52.0
77	31.2	24.7	37.1





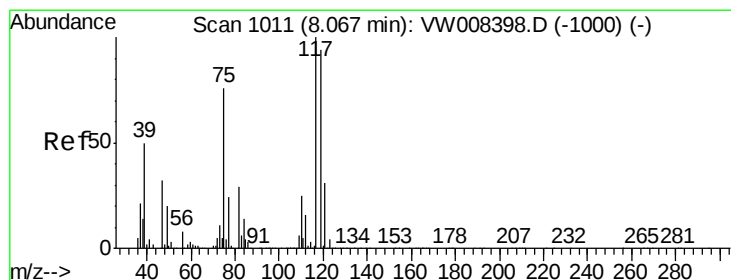
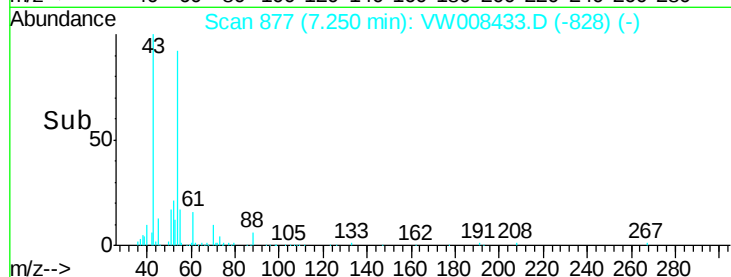
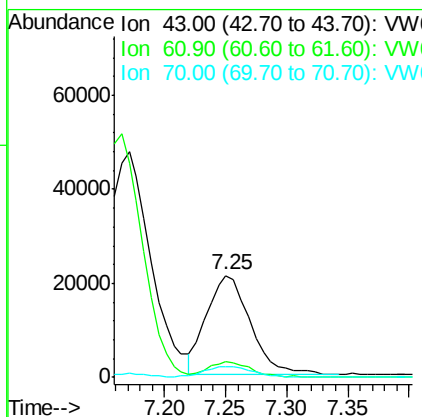
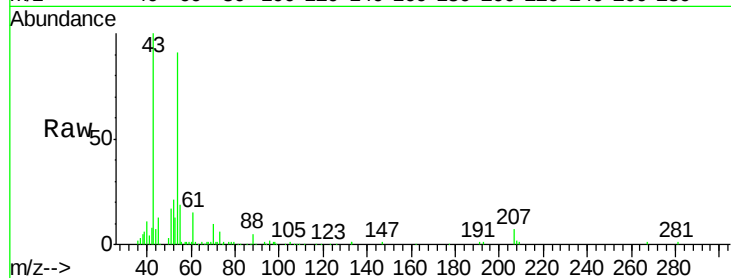
#37
Ethyl Acetate
Concen: 16.480 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008433.D
Acq: 28 Jan 2019 12:20

Instrument :
MSVOA_W
ClientSampleId :
VW0128SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	10.1	15.1#
70	11.7	7.8	11.6#

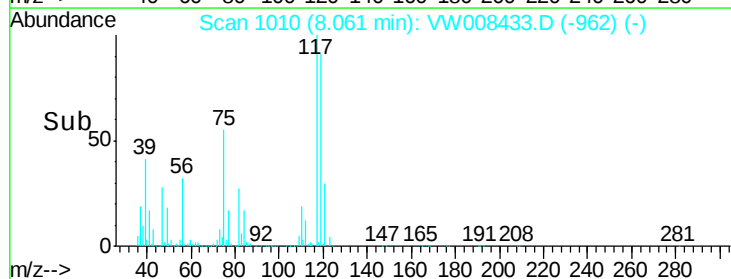
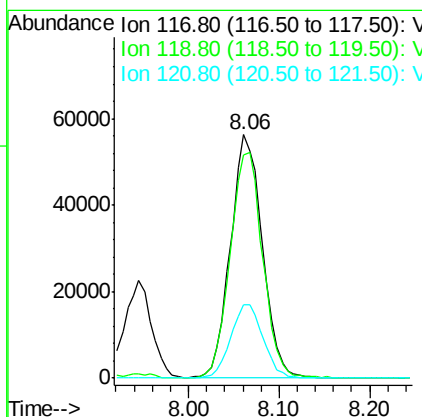
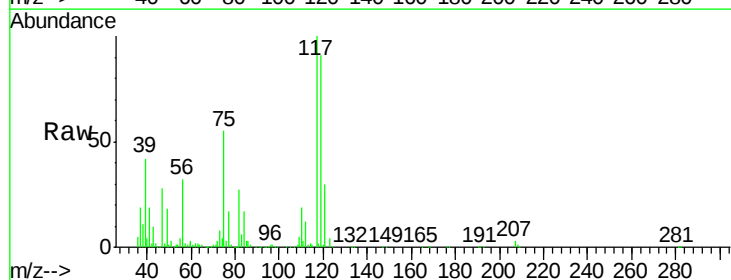
Manual Integrations
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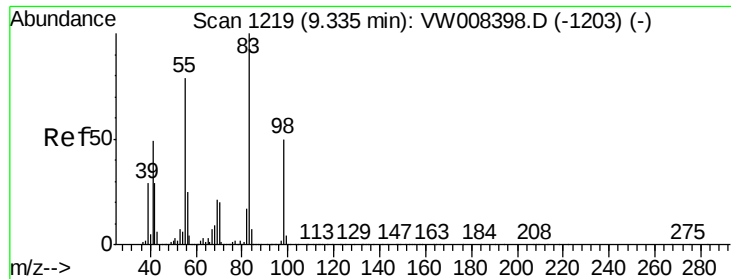
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.030 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008433.D
Acq: 28 Jan 2019 12:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.4	75.0	112.4
121	30.3	24.9	37.3





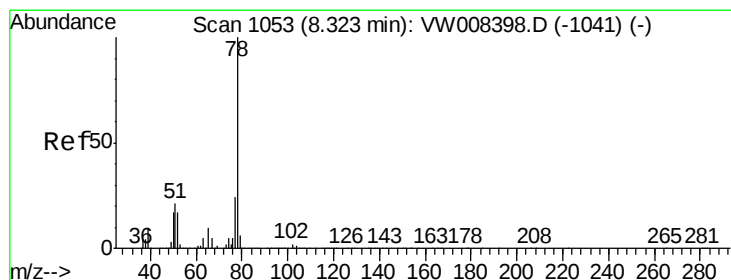
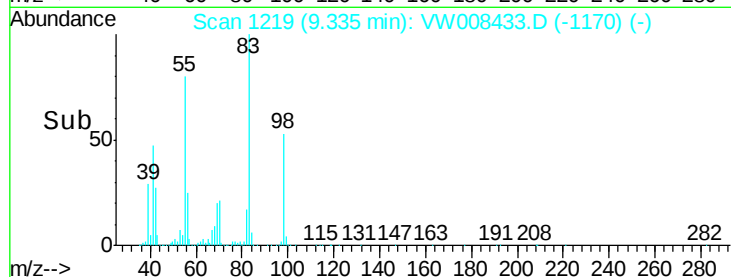
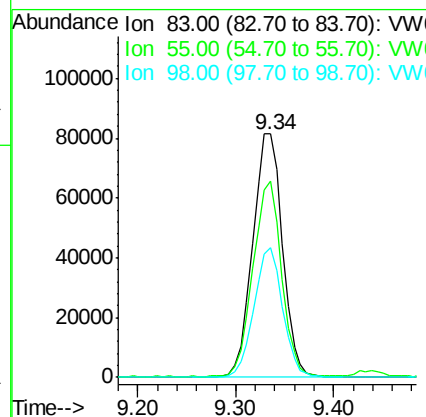
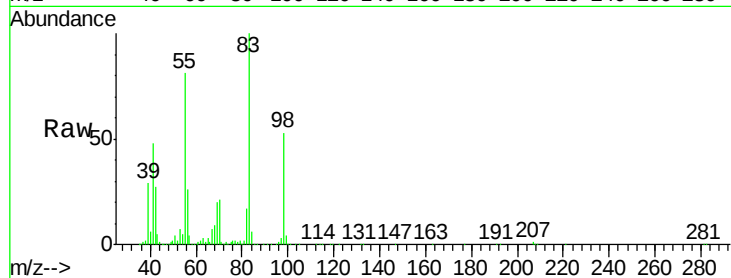
#39
Methvlcvclohexane
Concen: 18.236 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008433.D
Acq: 28 Jan 2019 12:20

Instrument :
MSVOA_W
ClientSampleId :
VW0128SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.3	63.3	94.9
98	53.2	39.7	59.5

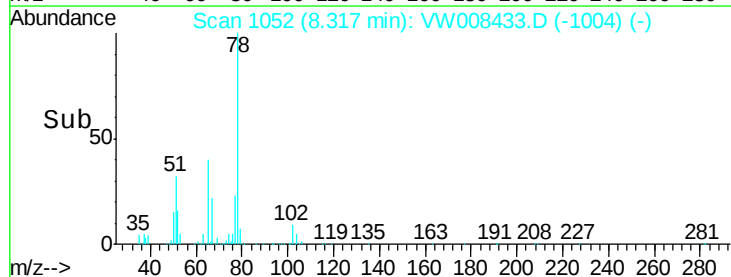
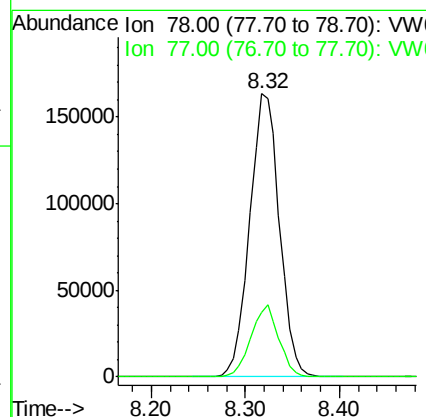
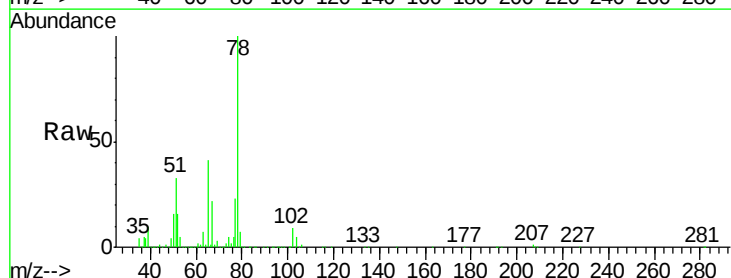
Manual Integrations
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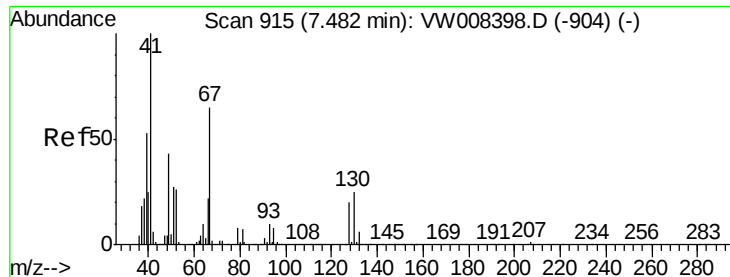
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#40
Benzene
Concen: 18.240 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008433.D
Acq: 28 Jan 2019 12:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.0	28.6





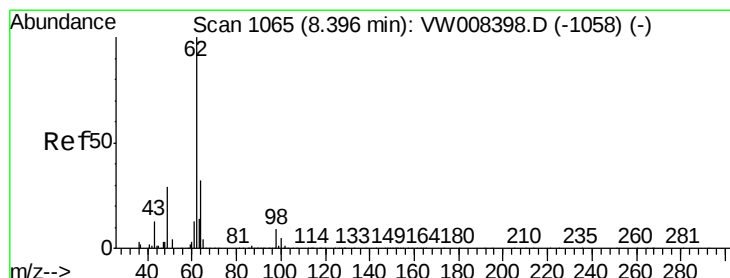
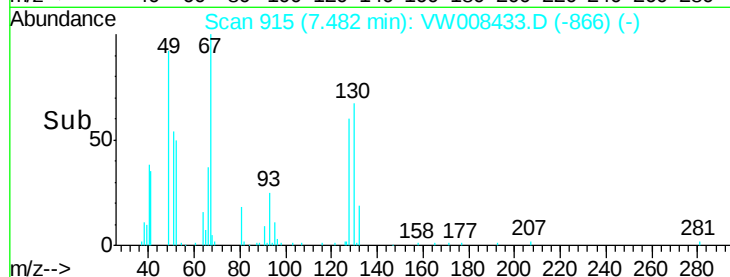
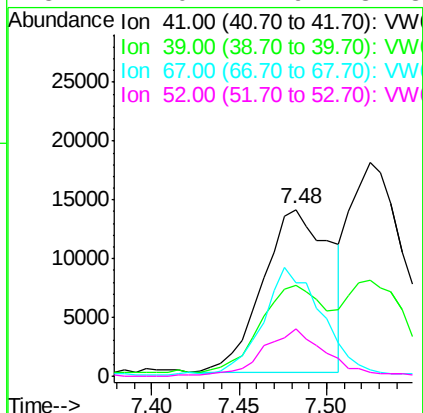
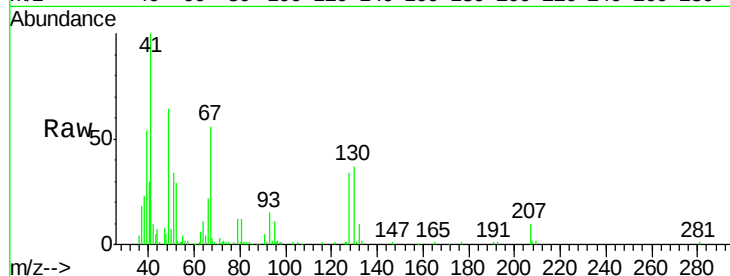
#41
Methacrylonitrile
Concen: 19.927 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW008433.D
Acq: 28 Jan 2019 12:20

Instrument :
MSVOA_W
ClientSampleId :
VW0128SBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	49.0	43.4	65.0
67	67	56.7	54.2	81.2
52	52	27.0	22.9	34.3

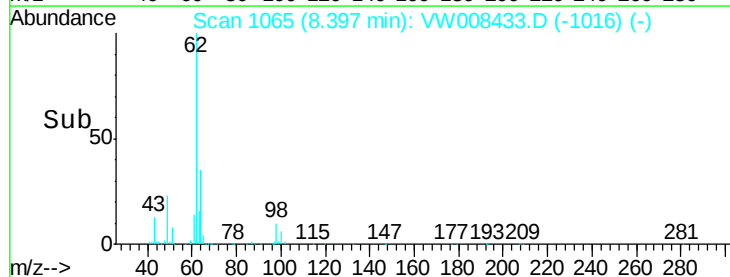
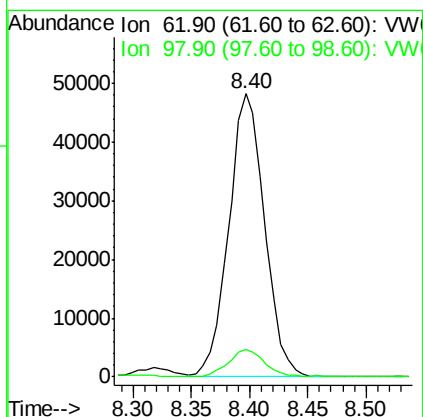
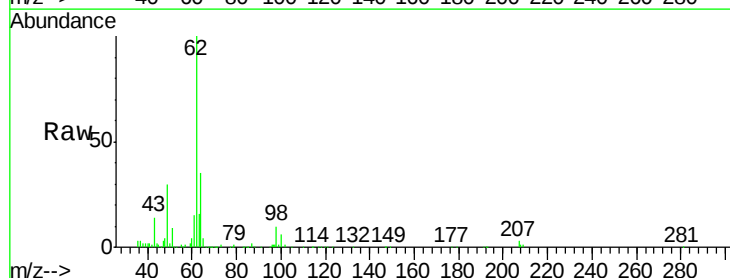
Manual Integrations
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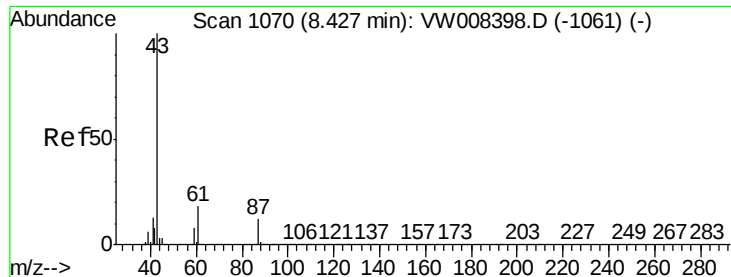
MMDadoda
1/29/2019 12:19:52 PM



#42
1,2-Dichloroethane
Concen: 17.885 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008433.D
Acq: 28 Jan 2019 12:20

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	10.2	0.0	18.6





#43

Isopropyl Acetate

Concen: 16.754 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

Instrument :

MSVOA_W

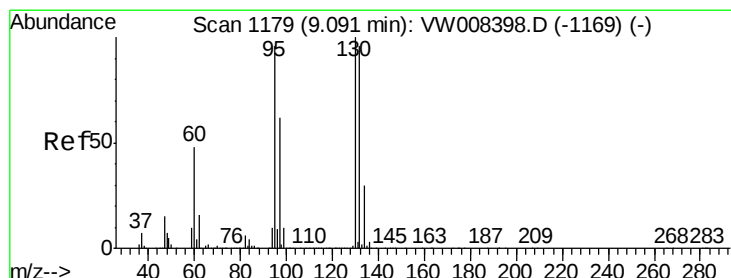
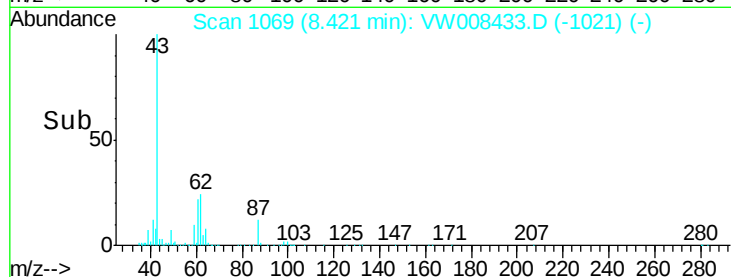
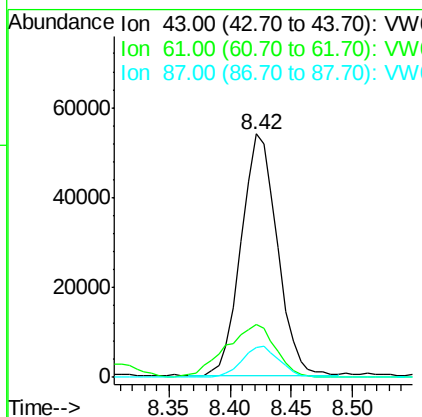
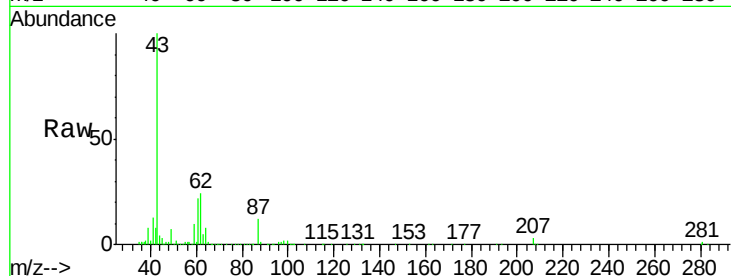
ClientSampleId :

VW0128SBS01

Tot Ion:	43	Resp:	110161
Ion Ratio		Lower	Upper
43	100		
61	29.8	22.0	33.0
87	13.3	9.3	13.9

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#44

Trichloroethene

Concen: 19.270 ug/l

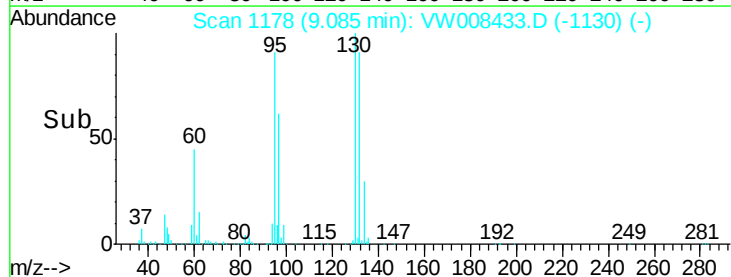
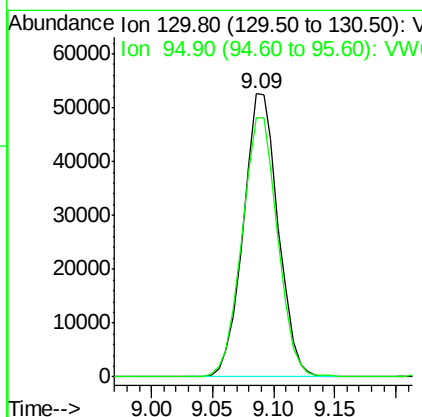
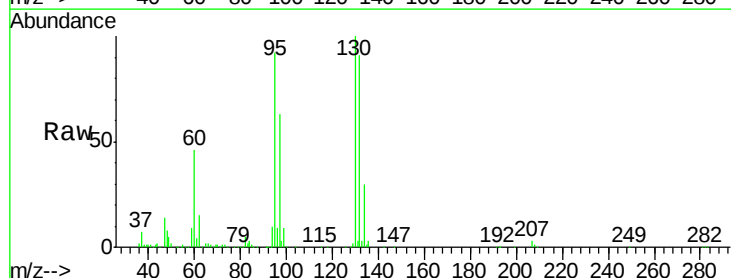
RT: 9.09 min Scan# 1178

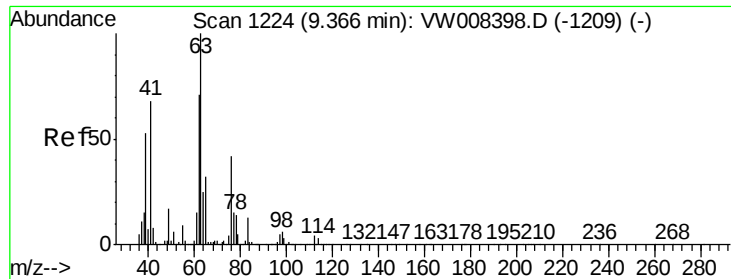
Delta R.T. -0.01 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

Tgt Ion:	130	Resp:	104016
Ion Ratio		Lower	Upper
130	100		
95	91.7	0.0	191.6





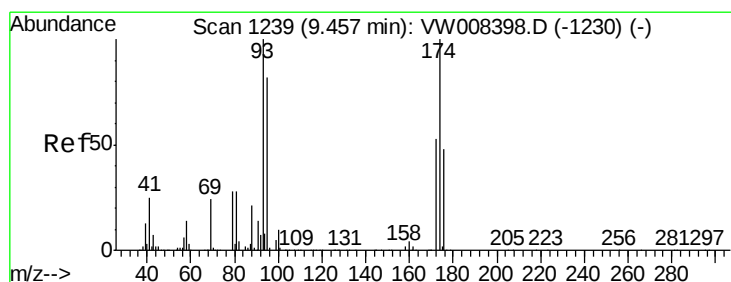
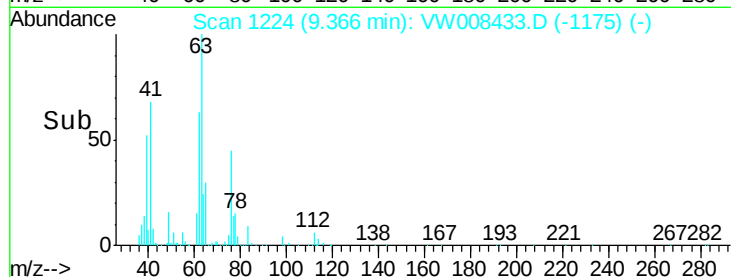
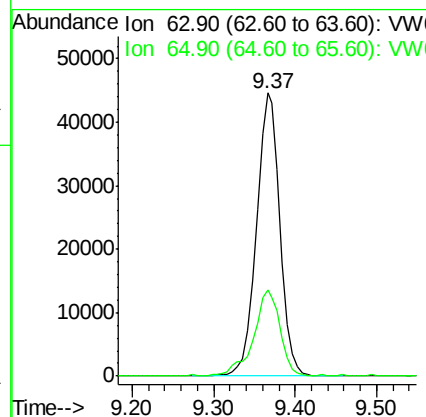
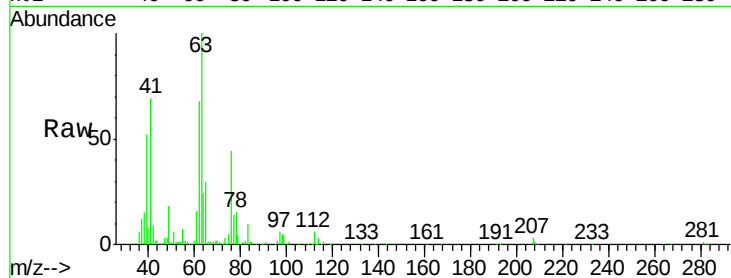
#45
 1,2-Dichloropropane
 Concen: 18.121 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008433.D
 Acq: 28 Jan 2019 12:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0128SBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.0	25.2	37.8

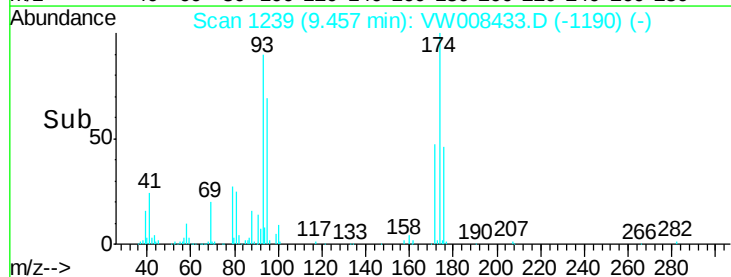
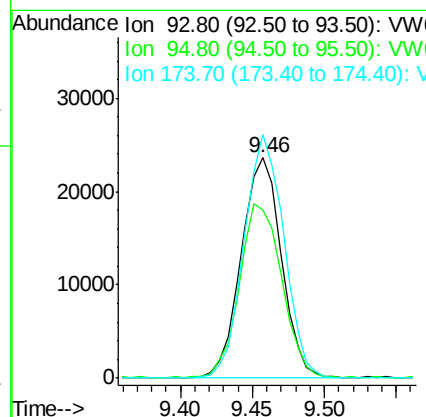
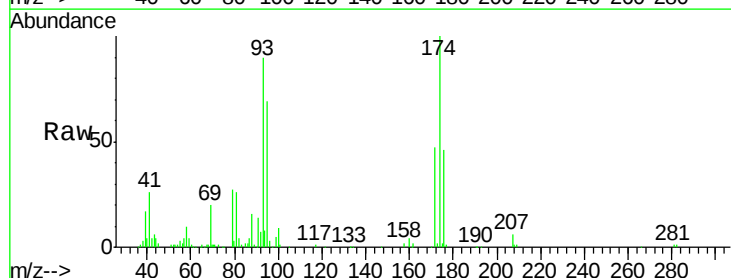
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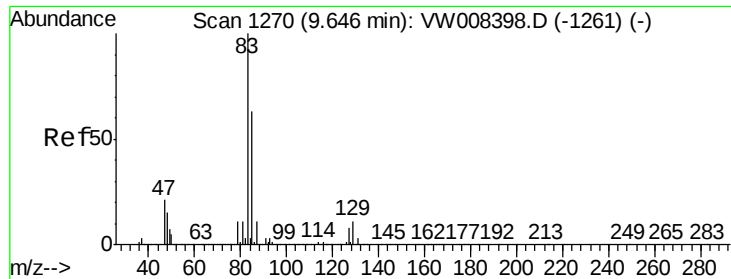
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#46
 Dibromomethane
 Concen: 17.964 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008433.D
 Acq: 28 Jan 2019 12:20

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	65.9	98.9
174	109.4	81.0	121.6





#47

Bromodichloromethane

Concen: 18.176 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

Instrument :

MSVOA_W

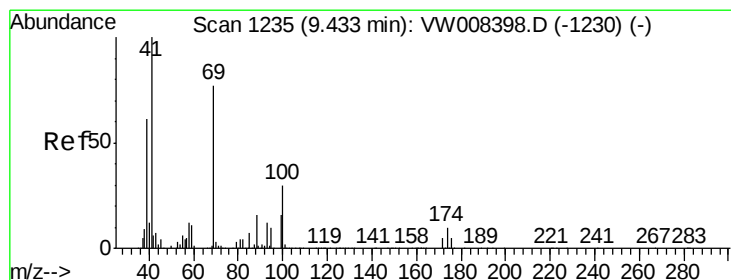
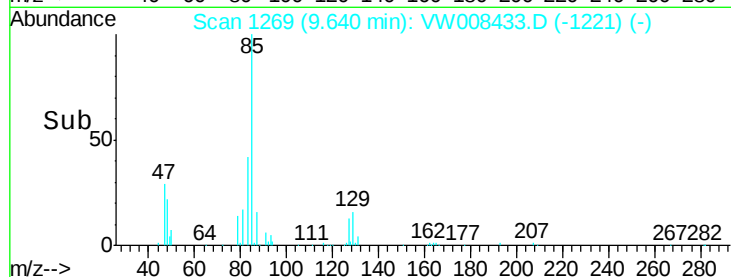
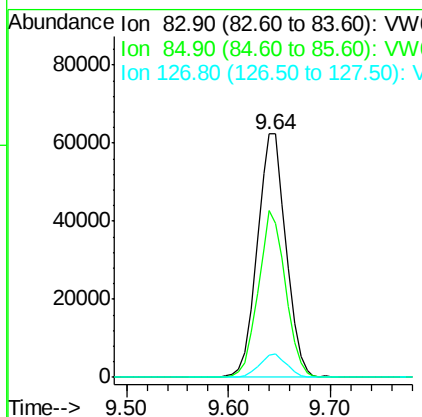
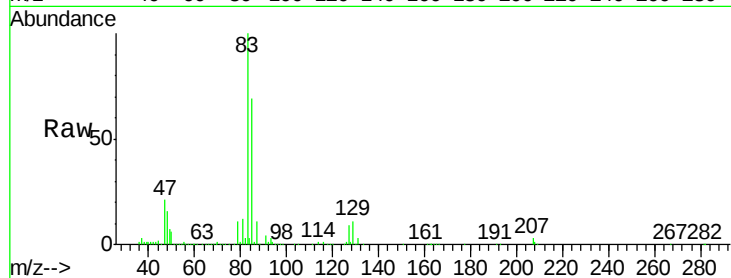
ClientSampleId :

VW0128SBS01

Tot Ion:	83	Resp:	122378
Ion Ratio	Lower	Upper	
83	100		
85	68.5	50.8	76.2
127	8.9	6.8	10.2

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#48

Methyl methacrylate

Concen: 16.918 ug/l

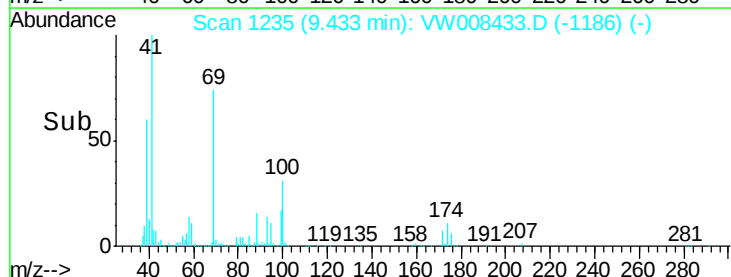
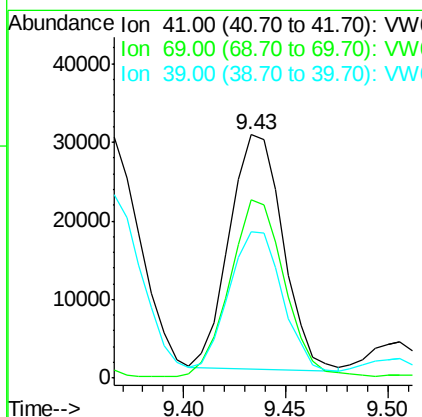
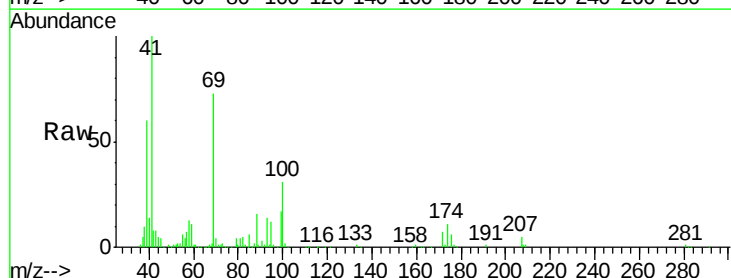
RT: 9.43 min Scan# 1235

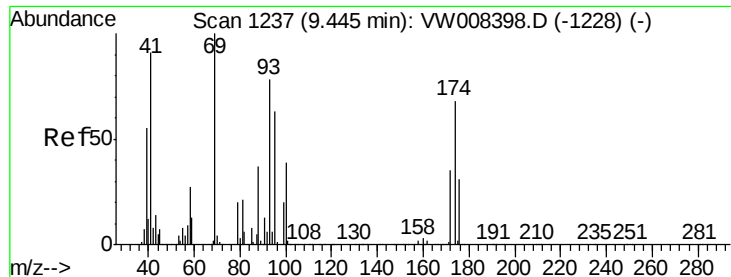
Delta R.T. 0.00 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

Tgt Ion:	41	Resp:	54391
Ion Ratio	Lower	Upper	
41	100		
69	79.1	64.8	97.2
39	59.7	49.1	73.7





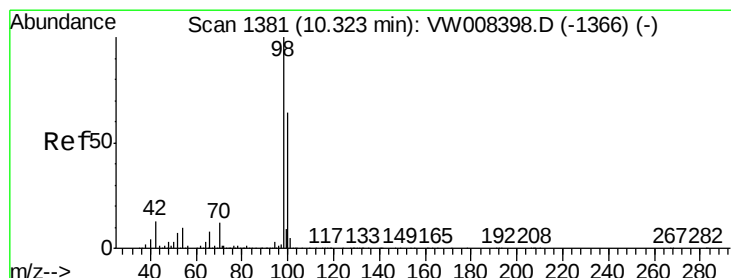
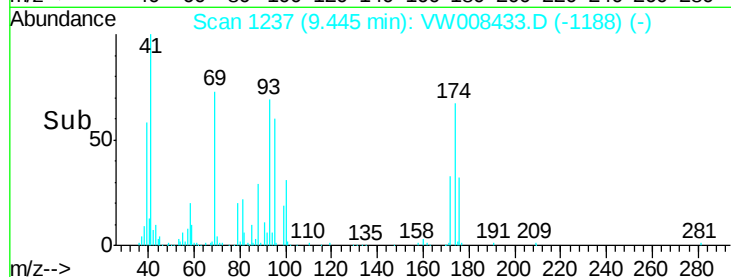
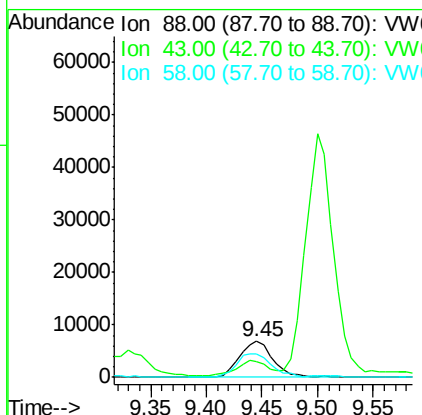
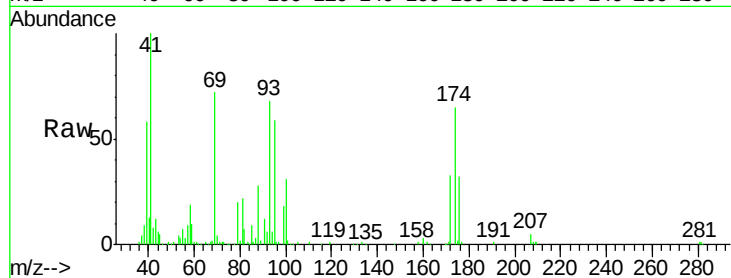
#49
1,4-Dioxane
Concen: 335.385 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008433.D
Acq: 28 Jan 2019 12:20

Instrument :
MSVOA_W
ClientSampleId :
VW0128SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.1	29.0	43.4
58	68.6	56.4	84.6

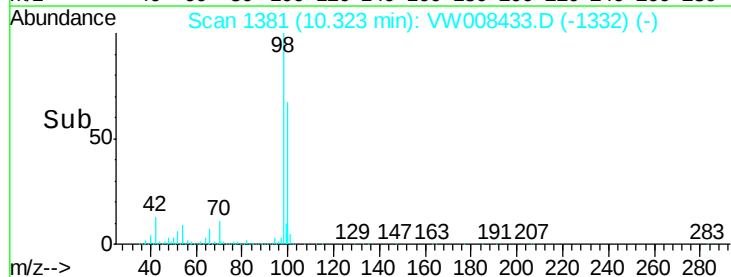
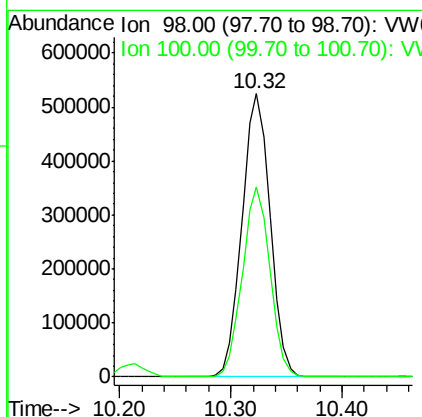
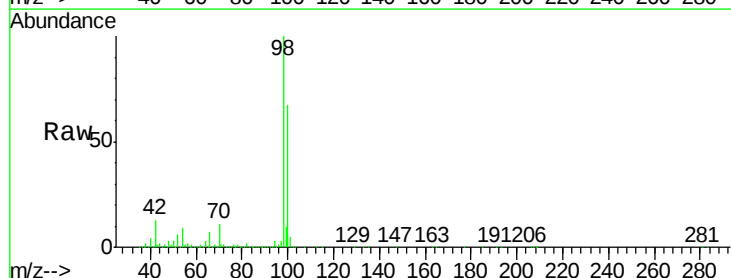
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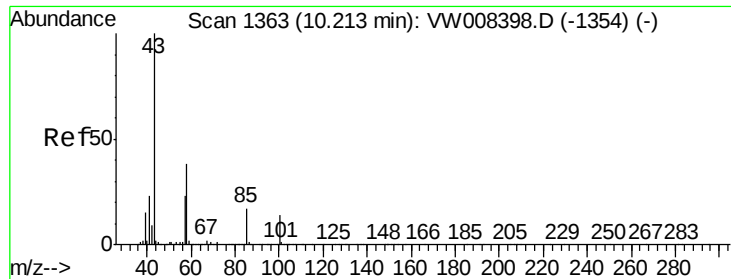
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1/29/2019 12:19:52 PM



#50
Toluene-d8
Concen: 51.819 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008433.D
Acq: 28 Jan 2019 12:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 83.067 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

Instrument :

MSVOA_W

ClientSampleId :

VW0128SBS01

Tot Ion: 43 Resp: 269822

Ion Ratio Lower Upper

43 100

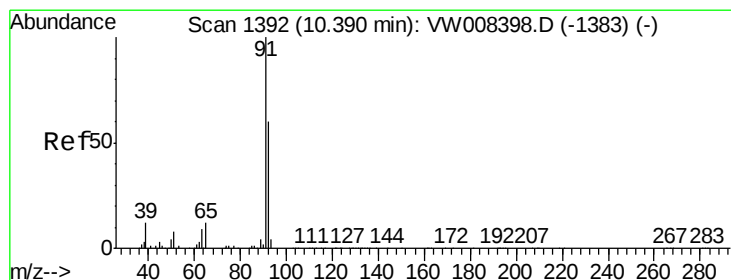
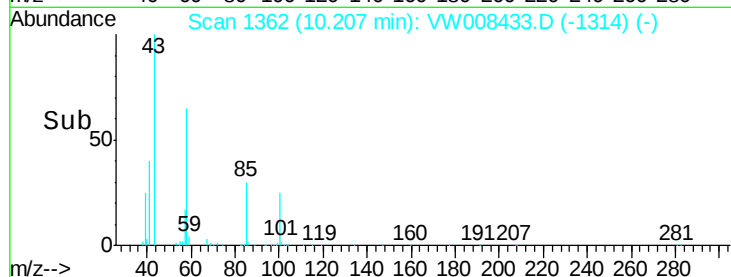
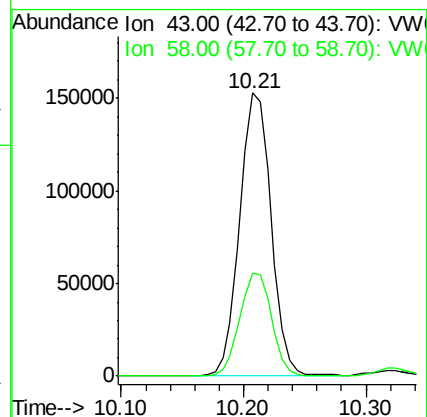
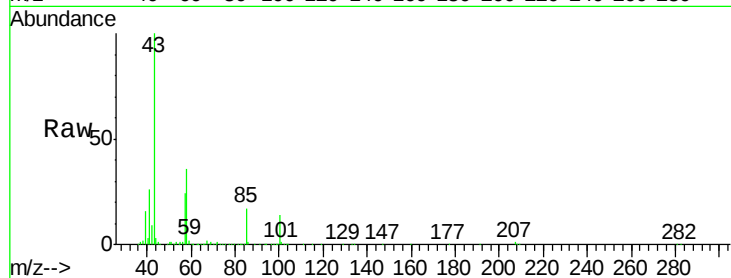
58 37.4 29.7 44.5

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1/29/2019 12:19:52 PM



#52

Toluene

Concen: 18.012 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008433.D

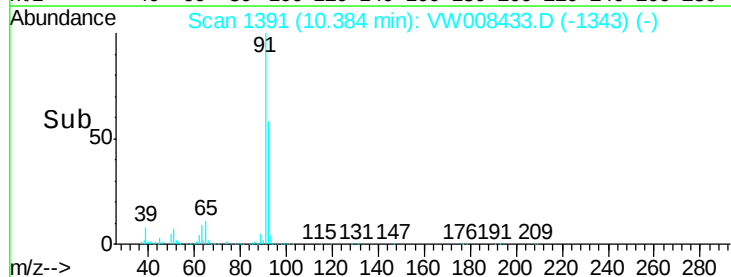
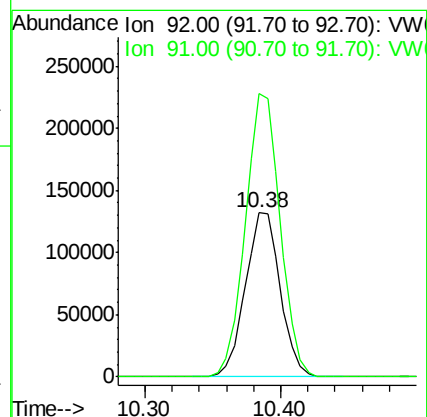
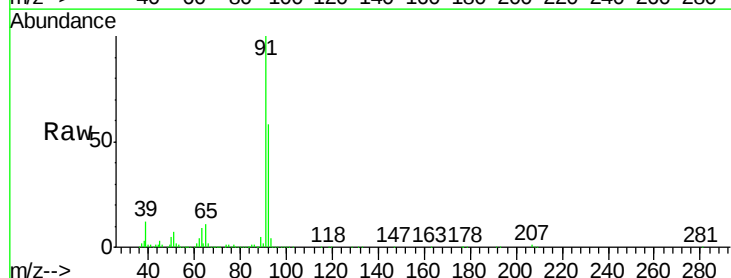
Acq: 28 Jan 2019 12:20

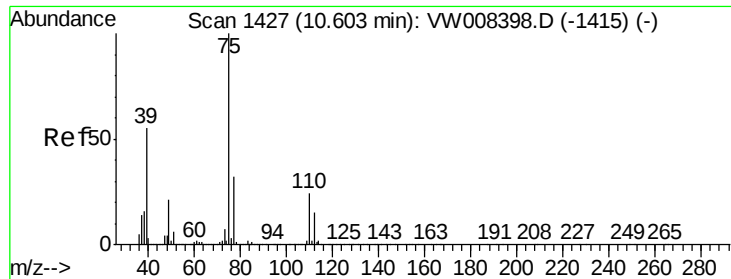
Tgt Ion: 92 Resp: 236006

Ion Ratio Lower Upper

92 100

91 172.5 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 17.592 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

Instrument :

MSVOA_W

ClientSampleId :

VW0128SBS01

Tot Ion: 75 Resp: 126039

Ion Ratio Lower Upper

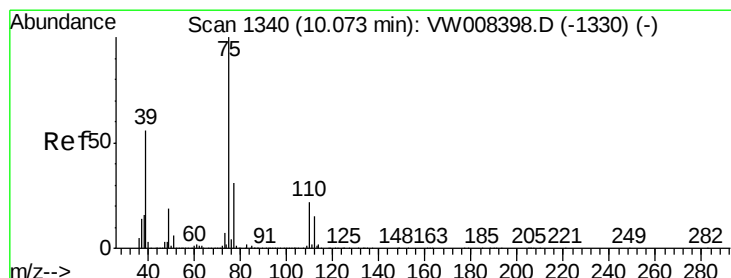
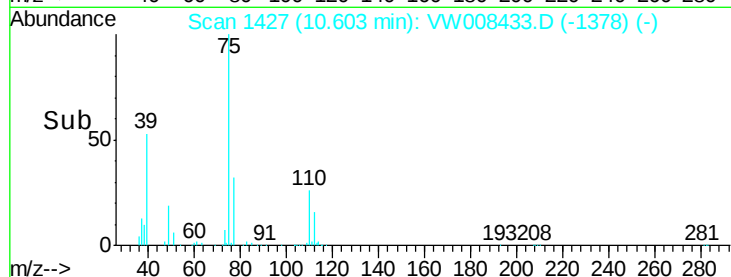
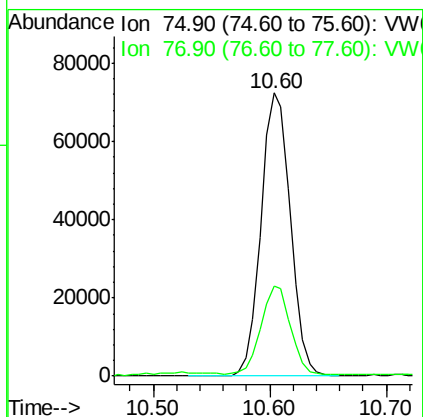
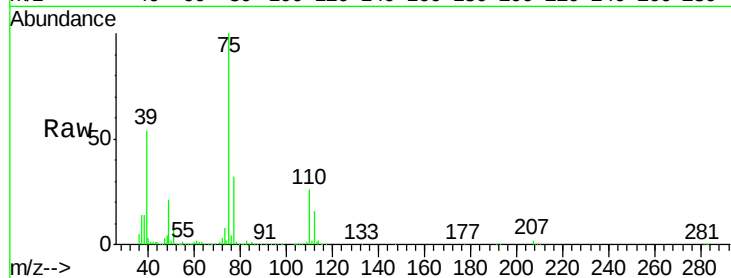
75 100

77 31.3 25.3 37.9

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#54

cis-1,3-Dichloropropene

Concen: 18.054 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

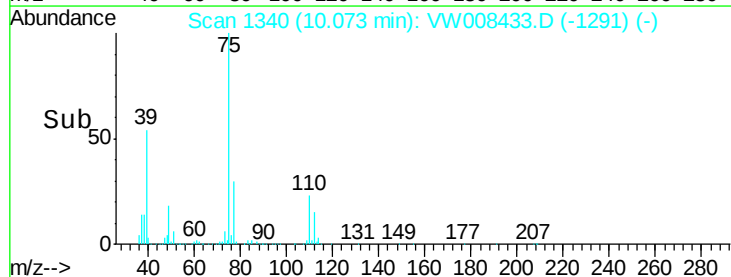
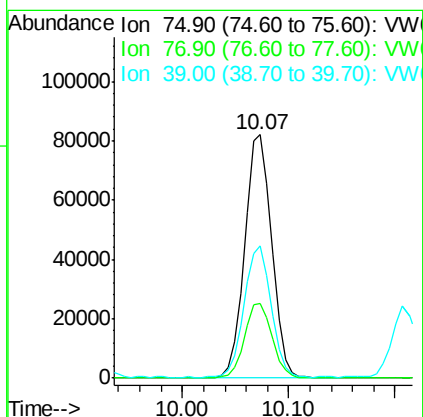
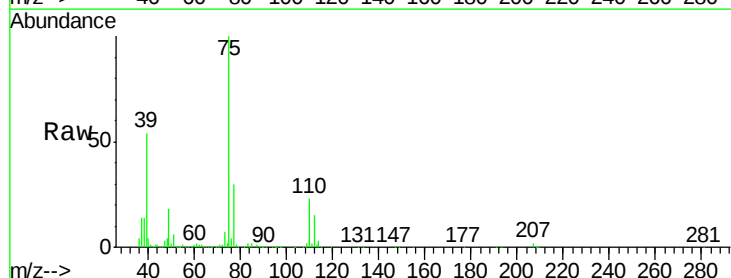
Tgt Ion: 75 Resp: 146791

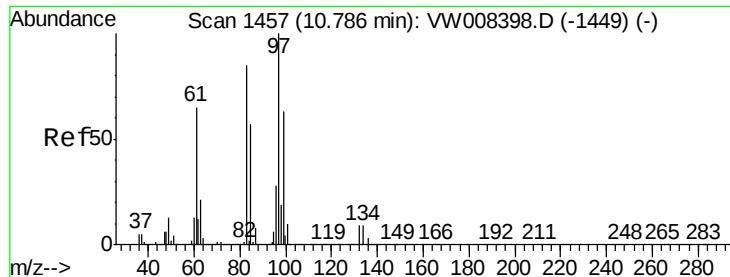
Ion Ratio Lower Upper

75 100

77 30.3 25.0 37.4

39 53.8 44.9 67.3





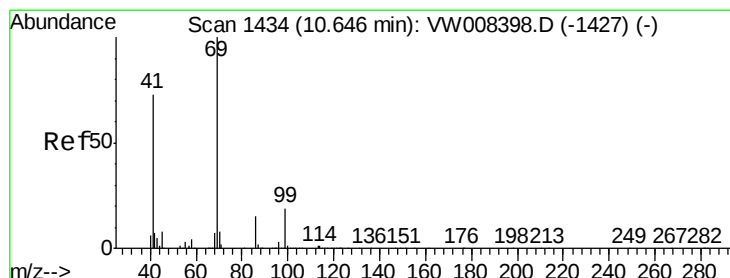
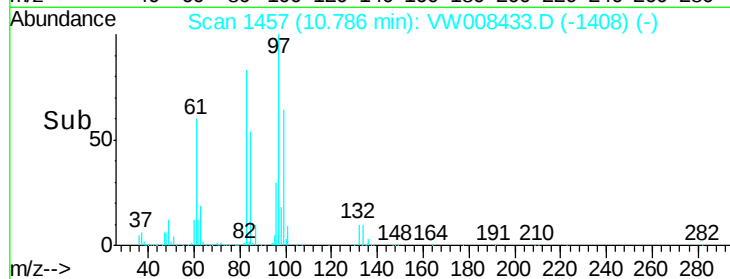
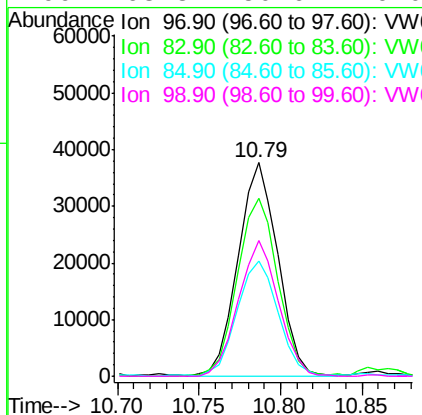
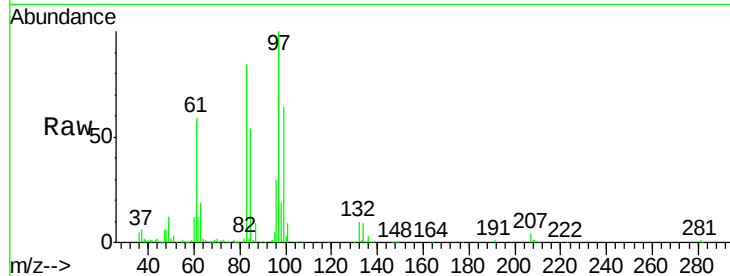
#55
 1,1,2-Trichloroethane
 Concen: 17.930 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008433.D
 Acq: 28 Jan 2019 12:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0128SBS01

Tot Ion	97	Resp	63310
Ion Ratio	Lower	Upper	
97	100		
83	83.5	68.4	102.6
85	53.9	45.3	67.9
99	63.8	50.6	76.0

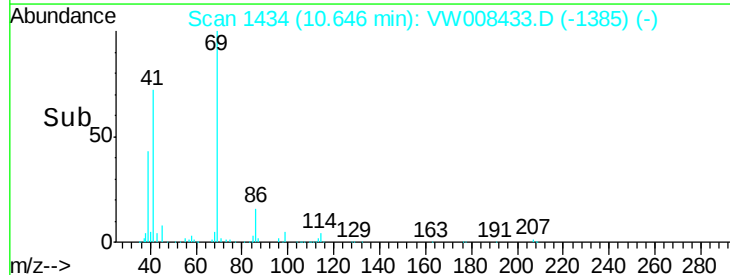
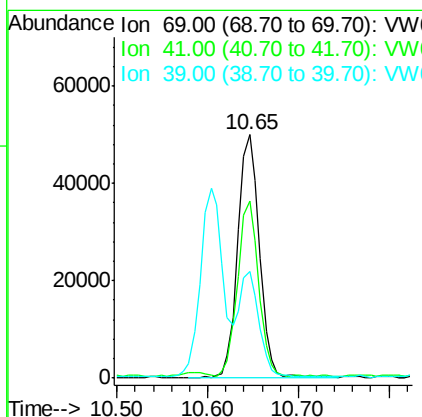
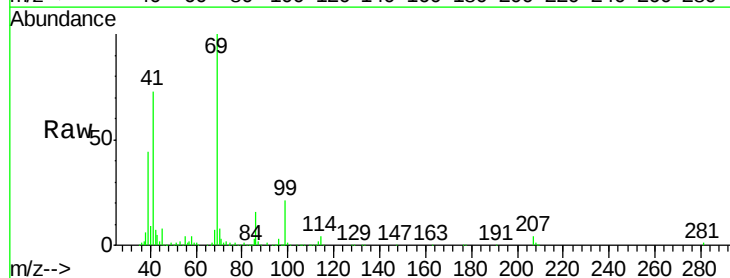
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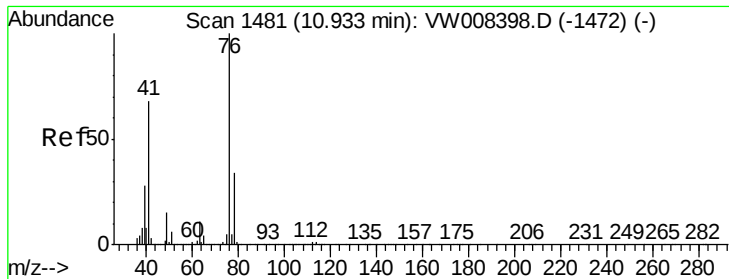
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#56
 Ethyl methacrylate
 Concen: 16.750 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008433.D
 Acq: 28 Jan 2019 12:20

Tgt Ion	69	Resp	82873
Ion Ratio	Lower	Upper	
69	100		
41	69.8	58.7	88.1
39	39.7	32.6	48.8





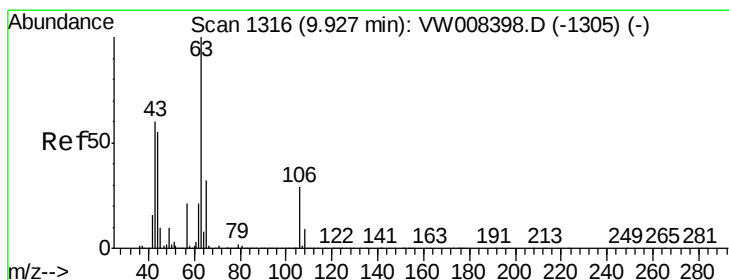
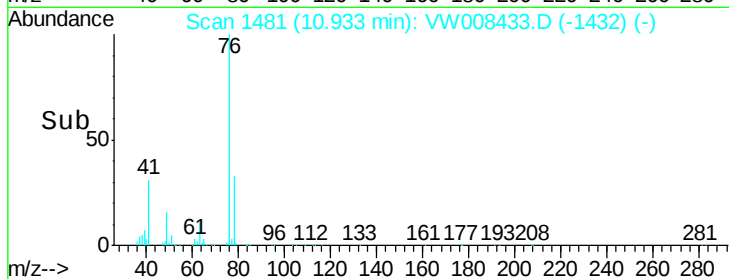
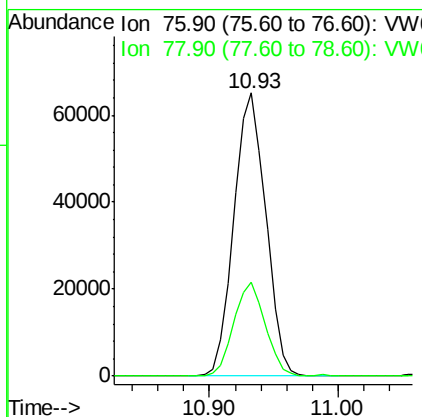
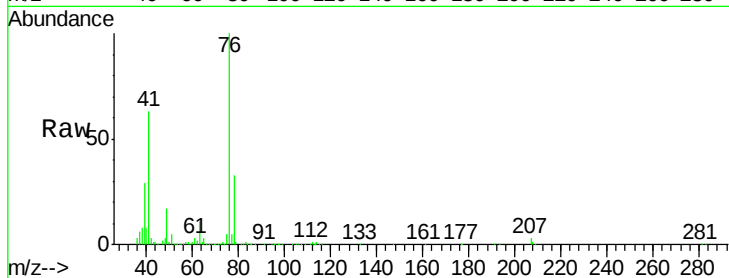
#57
 1,3-Dichloropropane
 Concen: 17.730 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008433.D
 Acq: 28 Jan 2019 12:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0128SBSD01

Tot Ion: 76 Resp: 112150
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.8 38.8

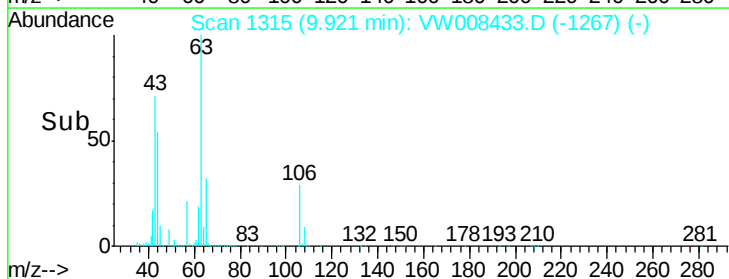
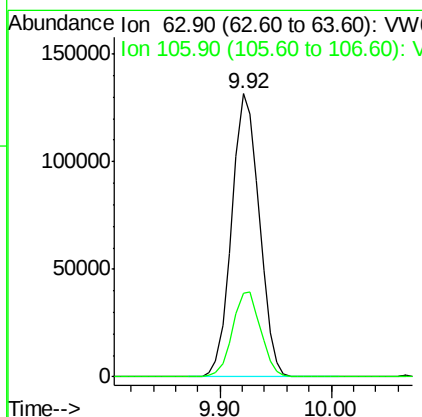
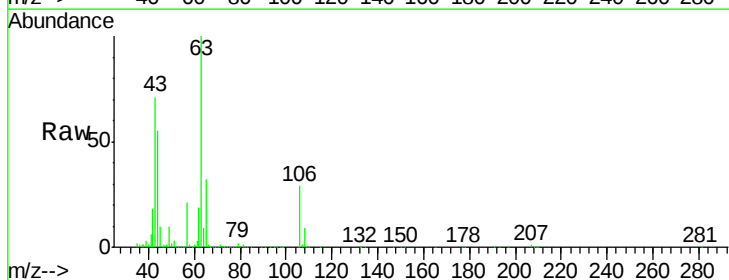
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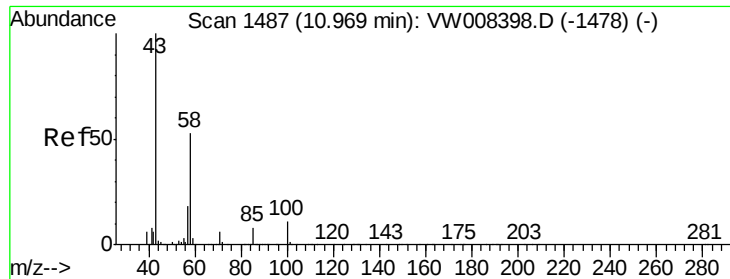
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#58
 2-Chloroethyl Vinyl ether
 Concen: 94.097 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW008433.D
 Acq: 28 Jan 2019 12:20

Tgt Ion: 63 Resp: 226195
 Ion Ratio Lower Upper
 63 100
 106 30.5 22.4 33.6





#59

2-Hexanone

Concen: 83.212 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

Instrument :

MSVOA_W

ClientSampled :

VW0128SBS01

Tot Ion: 43 Resp: 190816

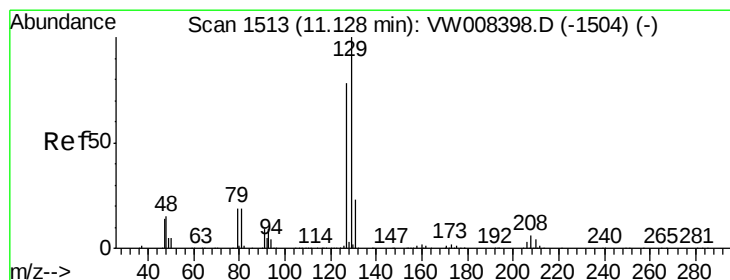
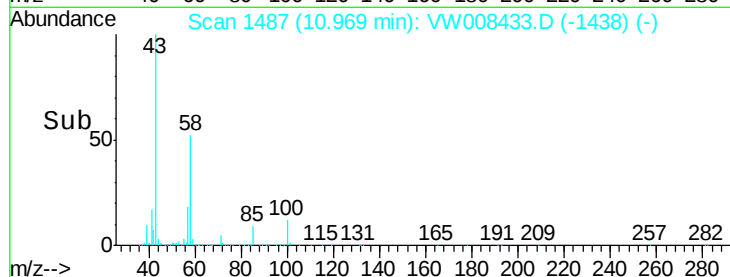
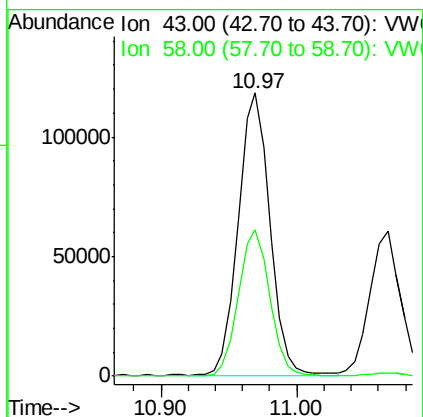
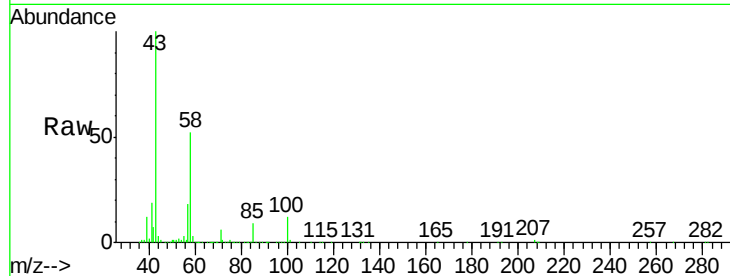
Ion Ratio Lower Upper

43 100

58 51.6 25.9 77.7

Manual Integrations
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#60

Dibromochloromethane

Concen: 18.130 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW008433.D

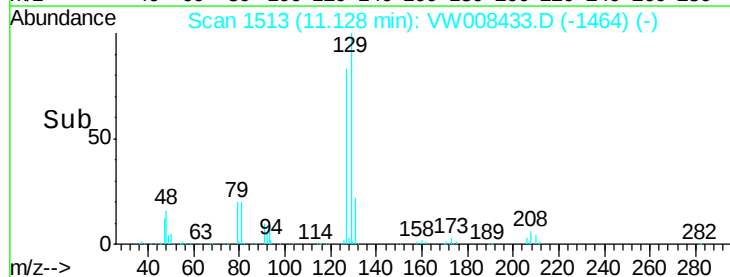
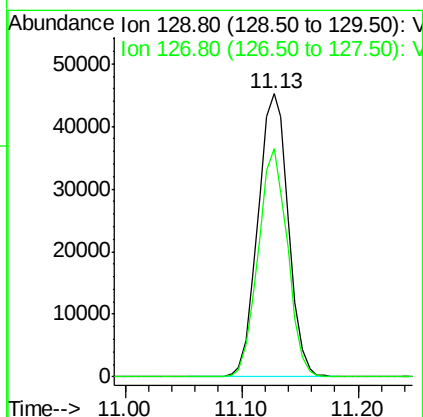
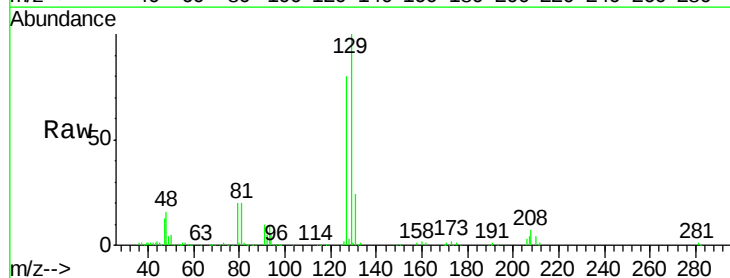
Acq: 28 Jan 2019 12:20

Tgt Ion: 129 Resp: 82264

Ion Ratio Lower Upper

129 100

127 77.6 39.1 117.2





#61

1,2-Dibromoethane

Concen: 17.886 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

Instrument :

MSVOA_W

ClientSampleId :

VW0128SBS01

Tot Ion: 107 Resp: 62620

Ion Ratio Lower Upper

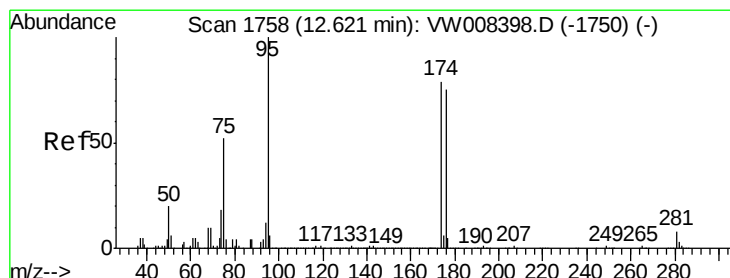
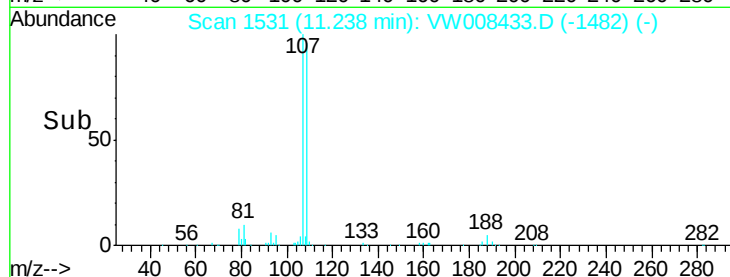
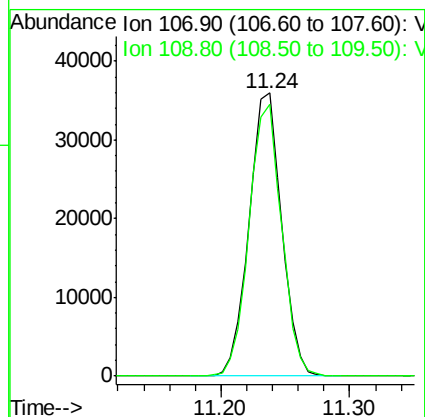
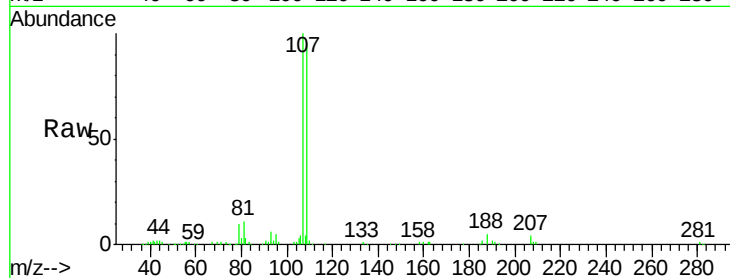
107 100

109 96.1 75.0 112.4

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 49.090 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

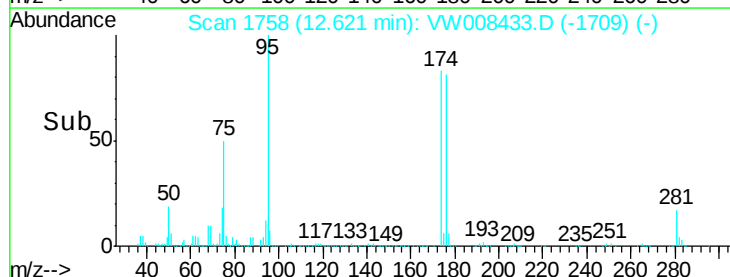
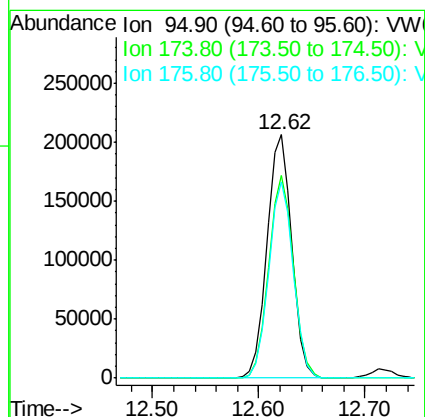
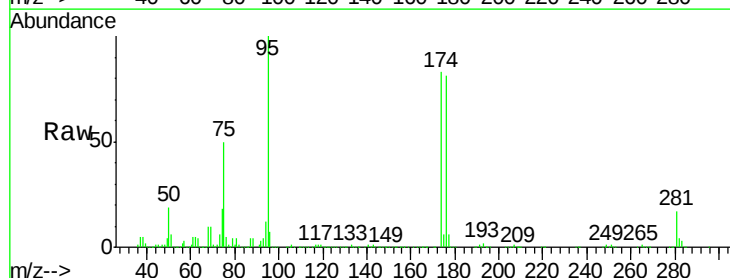
Tgt Ion: 95 Resp: 335054

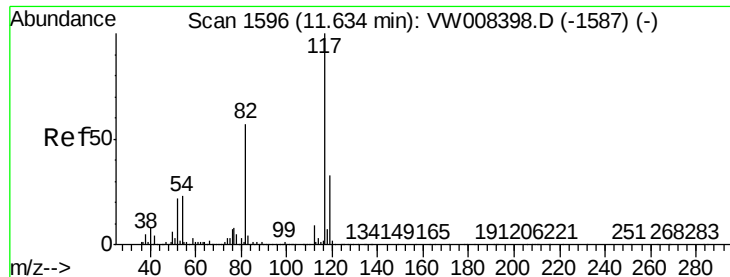
Ion Ratio Lower Upper

95 100

174 83.1 0.0 157.6

176 80.2 0.0 151.8





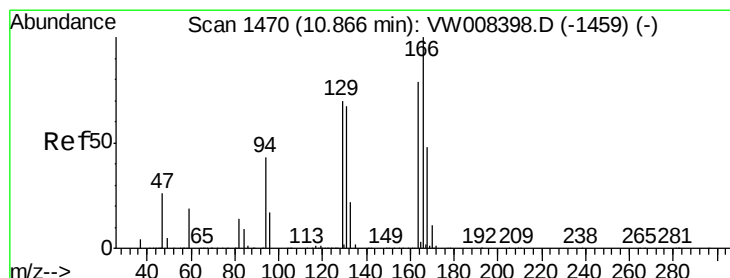
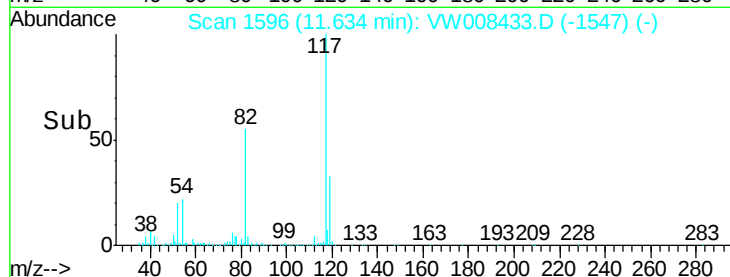
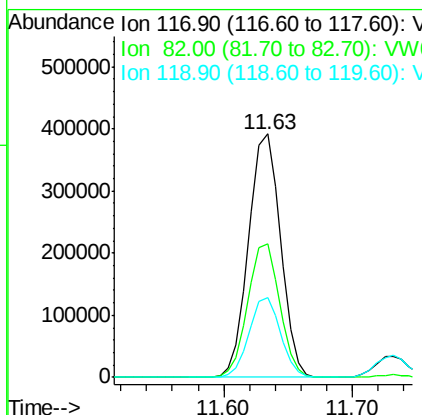
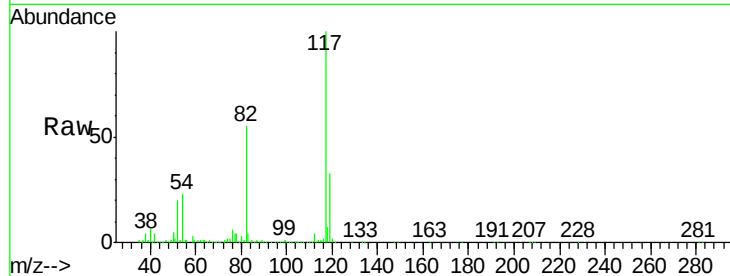
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008433.D
Acq: 28 Jan 2019 12:20

Instrument :
MSVOA_W
ClientSampleId :
VW0128SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	45.4	68.0
119	32.5	26.2	39.4

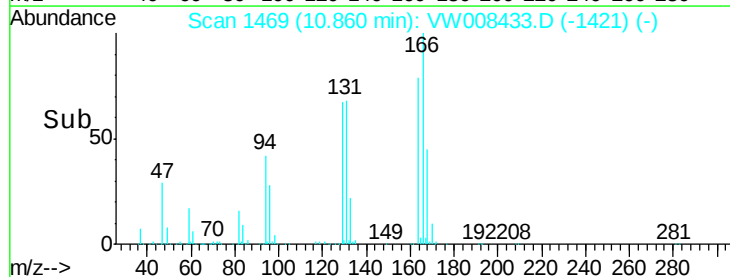
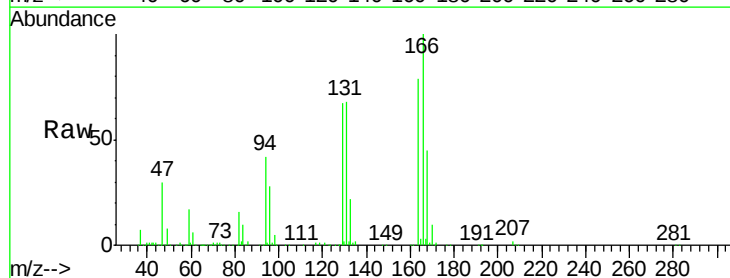
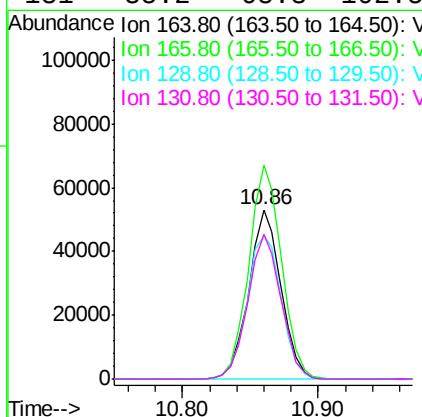
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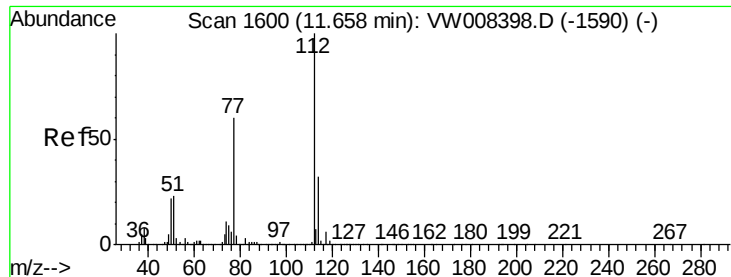
MMDadoda
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#64
Tetrachloroethene
Concen: 19.307 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008433.D
Acq: 28 Jan 2019 12:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	101.4	152.0
129	84.5	71.0	106.6
131	85.2	68.3	102.5





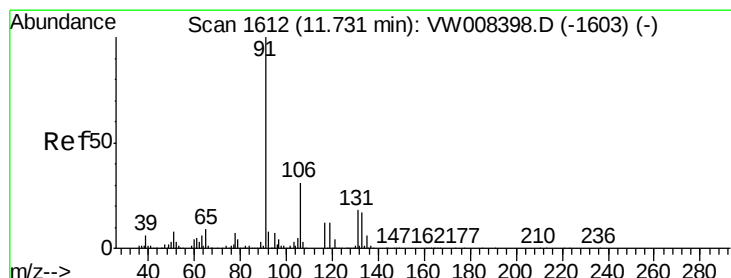
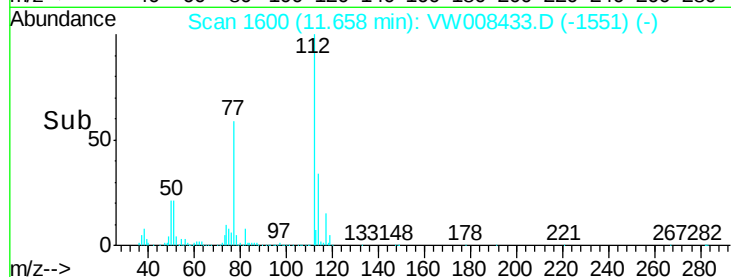
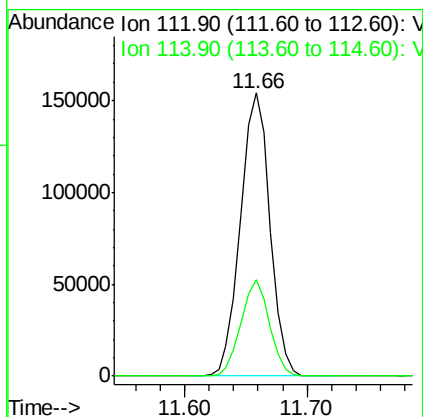
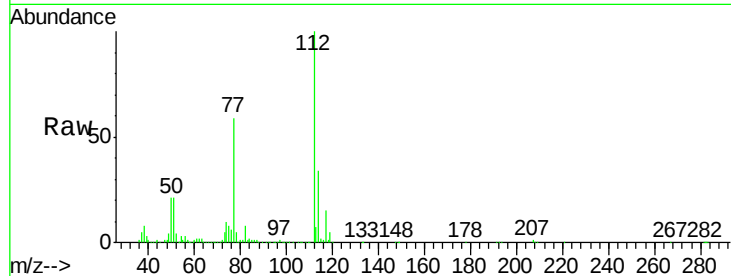
#65
Chlorobenzene
Concen: 18.805 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008433.D
Acq: 28 Jan 2019 12:20

Instrument :
MSVOA_W
ClientSampleId :
VW0128SBSD01

Tot Ion:112 Resp: 258002
Ion Ratio Lower Upper
112 100
114 34.3 25.4 38.2

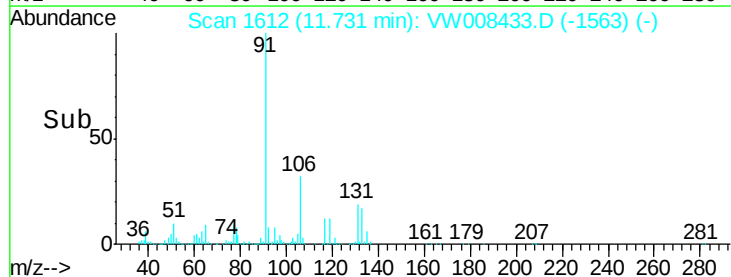
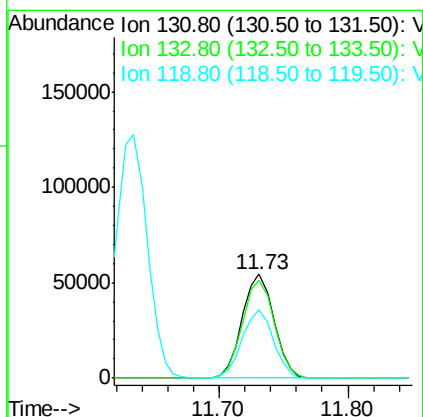
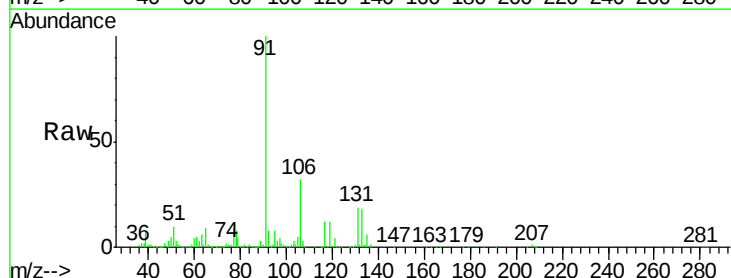
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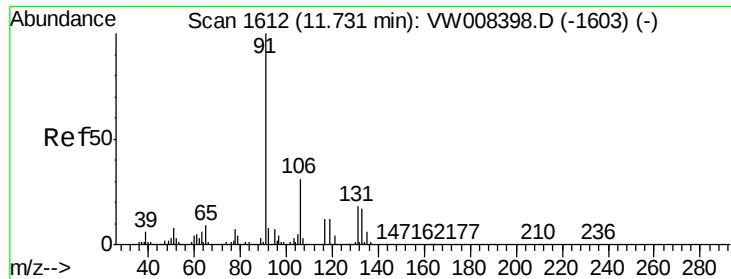
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.895 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008433.D
Acq: 28 Jan 2019 12:20

Tgt Ion:131 Resp: 92750
Ion Ratio Lower Upper
131 100
133 94.8 47.0 141.2
119 64.8 32.1 96.3





#67

Ethyl Benzene

Concen: 18.340 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

Instrument :

MSVOA_W

ClientSampleId :

VW0128SBS01

Tot Ion: 91 Resp: 462534

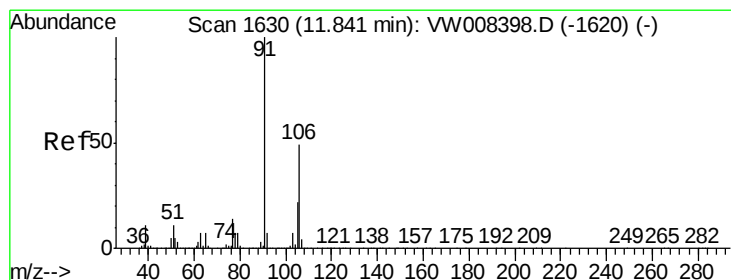
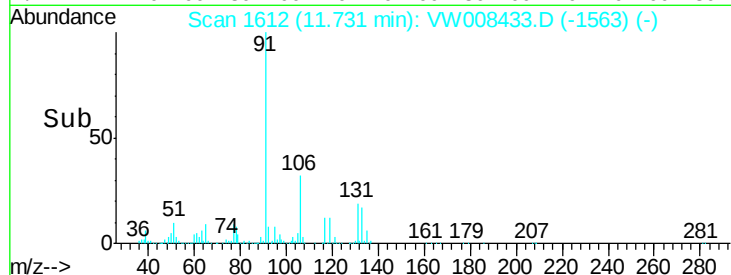
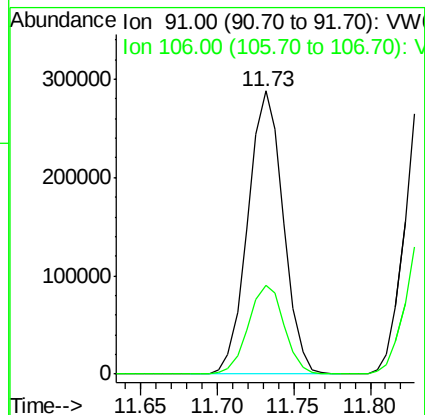
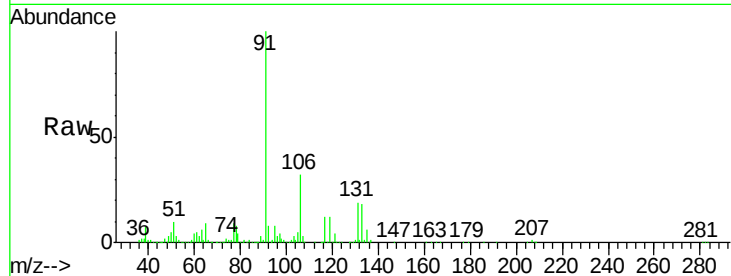
Ion Ratio Lower Upper

91 100

106 31.5 24.7 37.1

Manual Integrations
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#68

m/p-Xylenes

Concen: 36.665 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW008433.D

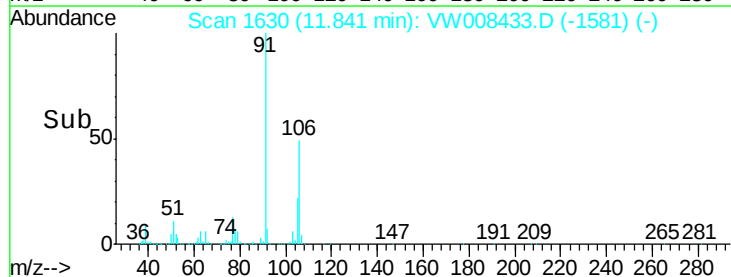
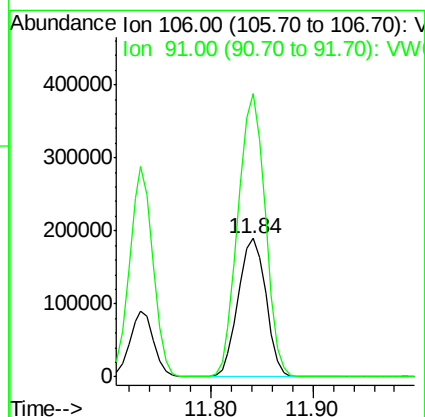
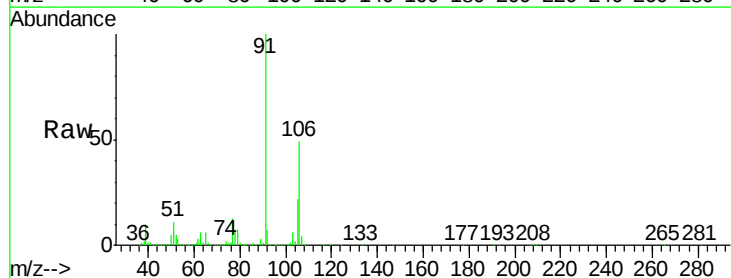
Acq: 28 Jan 2019 12:20

Tgt Ion: 106 Resp: 358771

Ion Ratio Lower Upper

106 100

91 200.3 162.9 244.3





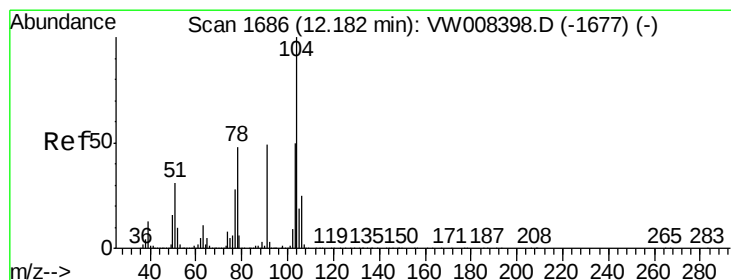
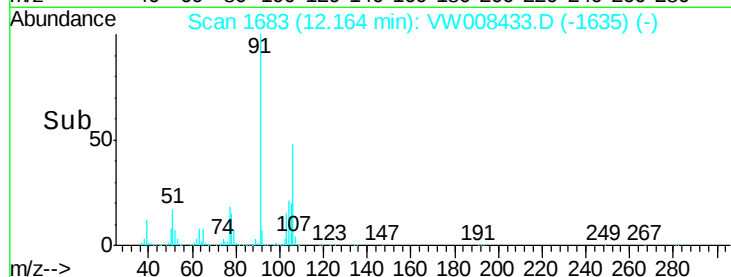
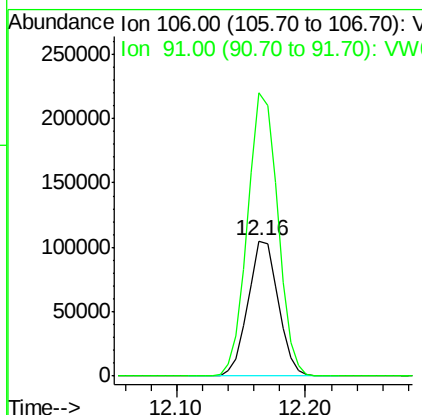
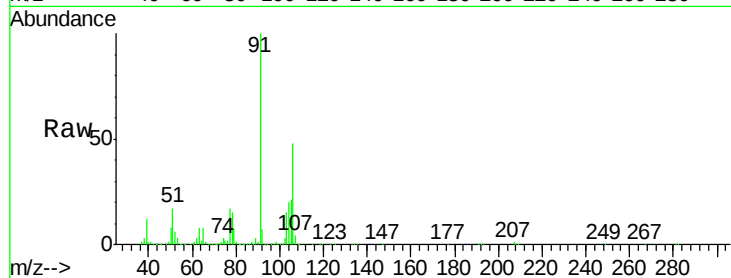
#69
o-Xylene
Concen: 18.269 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008433.D
Acq: 28 Jan 2019 12:20

Instrument :
MSVOA_W
ClientSampleId :
VW0128SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.2	107.5	322.4

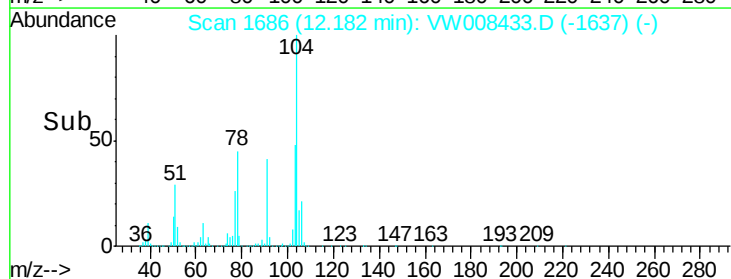
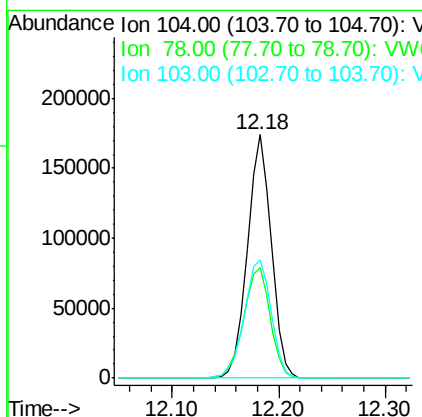
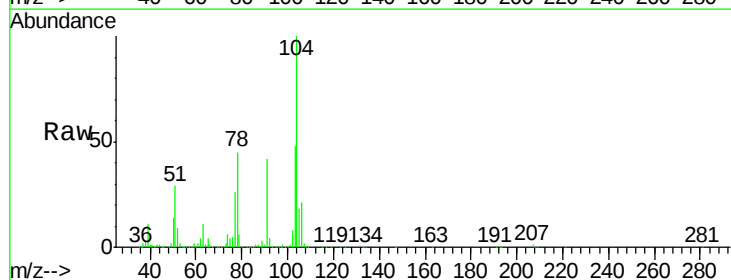
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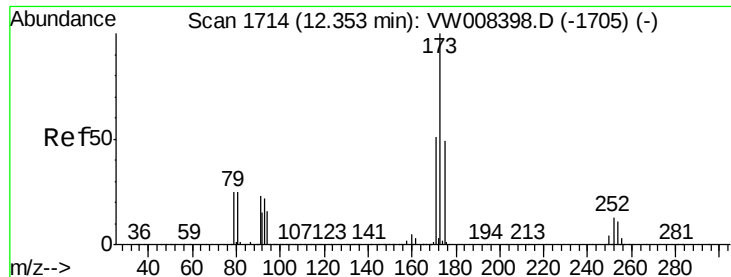
MMDadoda
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#70
Styrene
Concen: 17.881 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008433.D
Acq: 28 Jan 2019 12:20

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.7	42.4	63.6
103	54.7	43.4	65.0





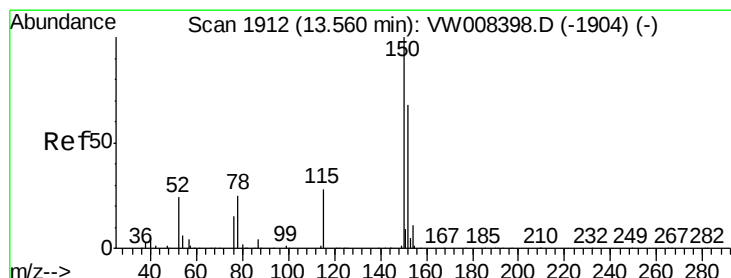
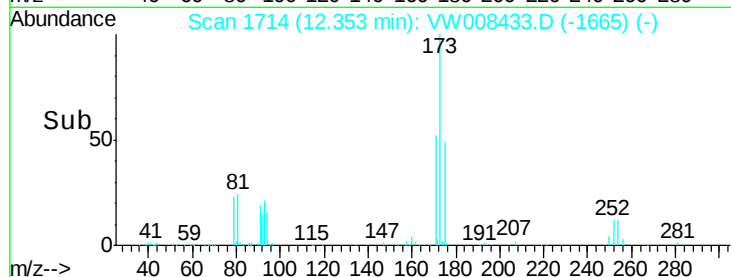
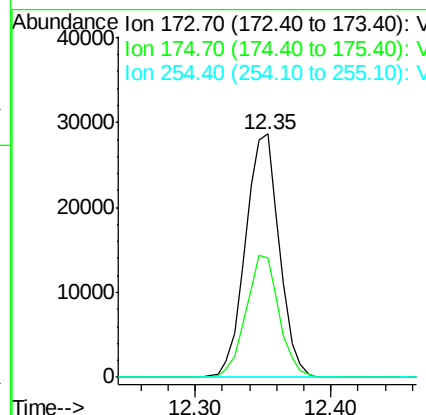
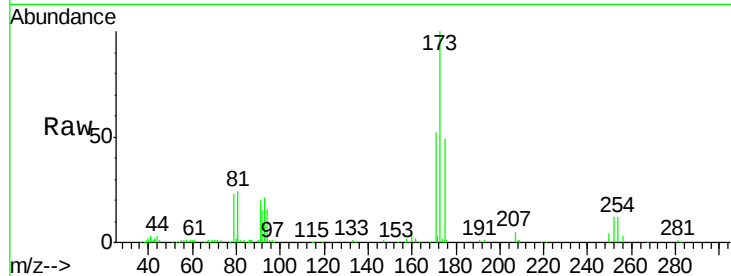
#71
Bromoform
Concen: 18.009 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW008433.D
Acq: 28 Jan 2019 12:20

Instrument :
MSVOA_W
ClientSampleId :
VW0128SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.4	73.4
254	0.0	0.2	0.2

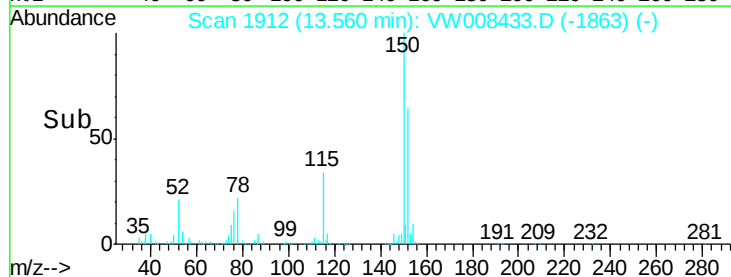
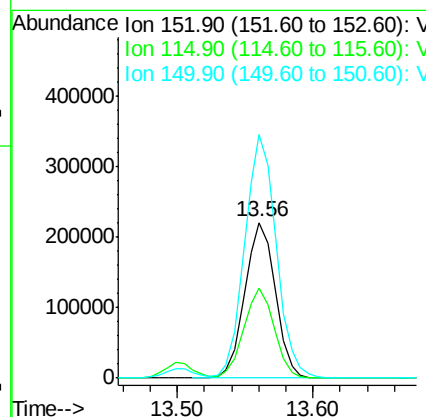
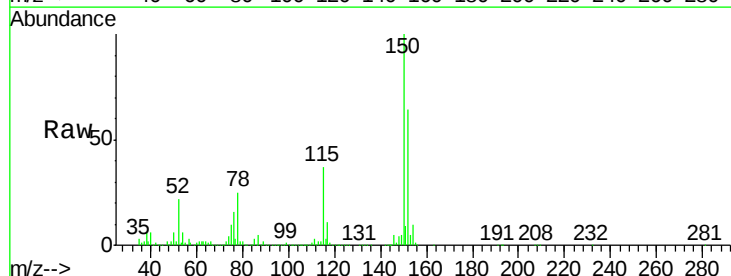
Manual Integrations
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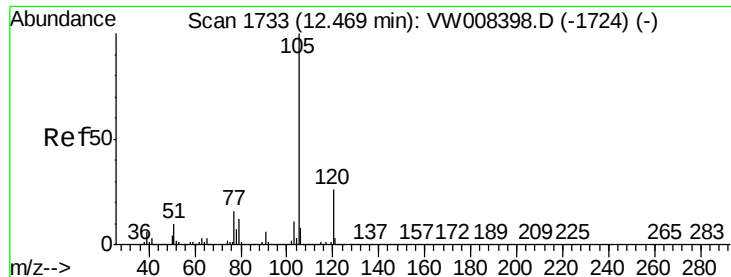
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008433.D
Acq: 28 Jan 2019 12:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	29.9	89.7
150	161.7	0.0	351.4





#73

Isopropylbenzene

Concen: 18.289 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

Instrument :

MSVOA_W

ClientSampleId :

VW0128SBS01

Tot Ion:105 Resp: 471470

Ion Ratio Lower Upper

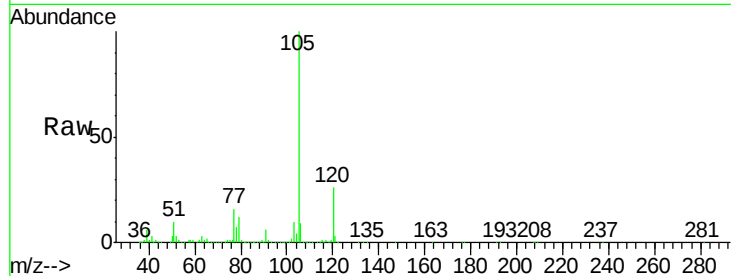
105 100

120 27.1 13.3 39.8

Manual Integrations
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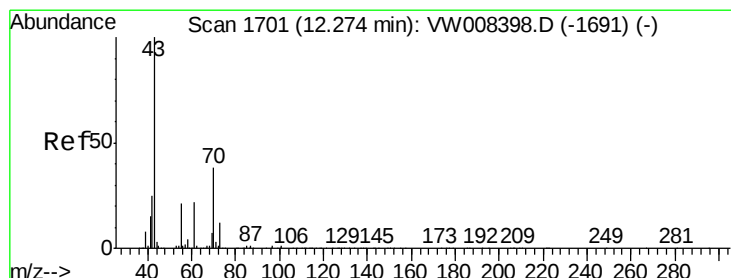
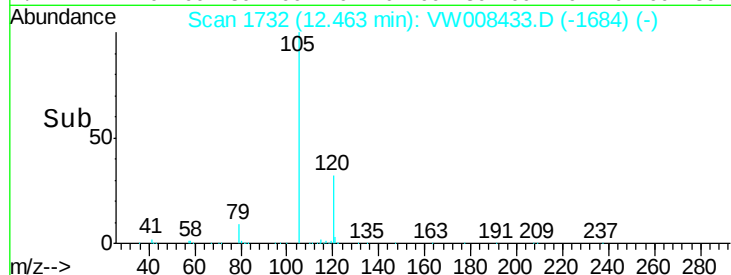
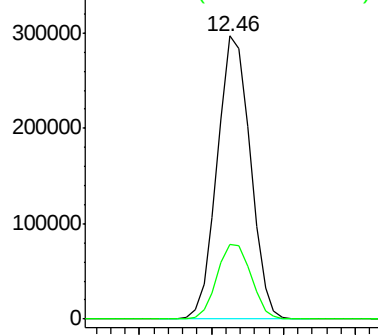
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.375 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

Tgt Ion: 43 Resp: 108751

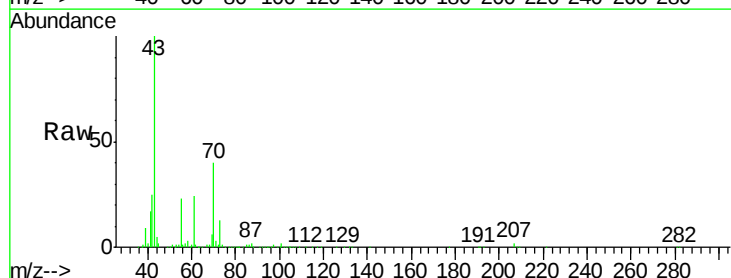
Ion Ratio Lower Upper

43 100

70 40.1 31.0 46.6

55 21.6 17.4 26.2

61 22.8 18.2 27.4

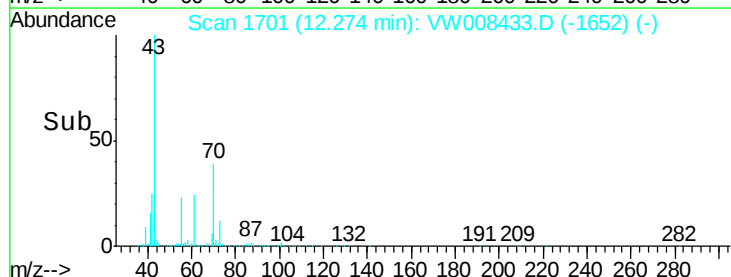
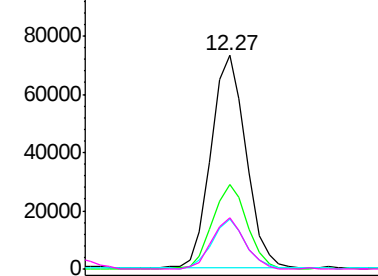


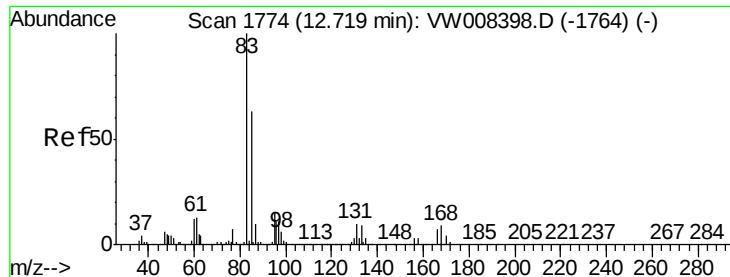
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 17.401 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

Instrument :

MSVOA_W

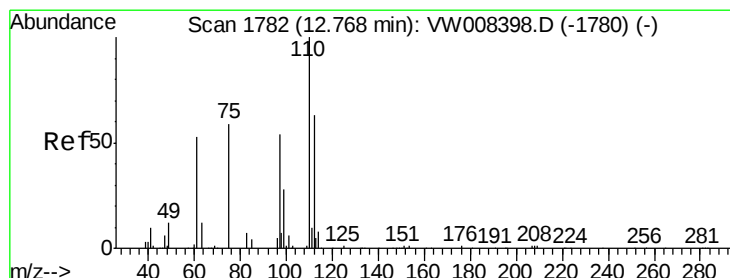
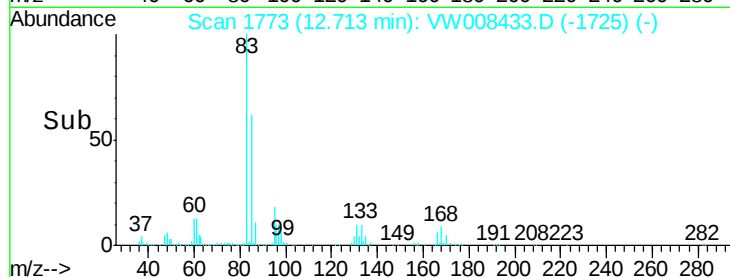
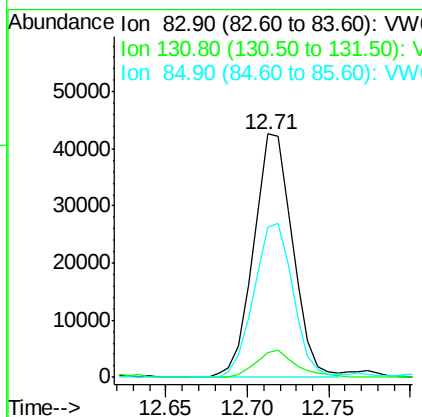
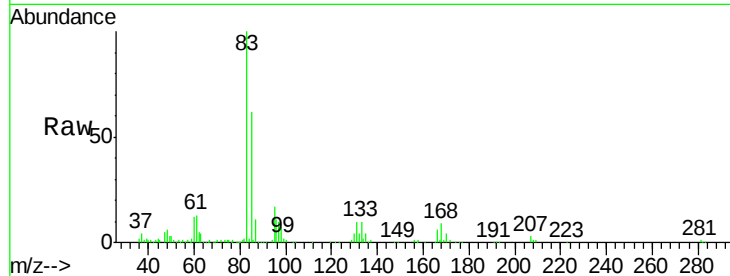
ClientSampleId :

VW0128SBS01

Tot Ion:	83	Resp:	71020
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.5	16.4
85	64.1	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.517 ug/l m

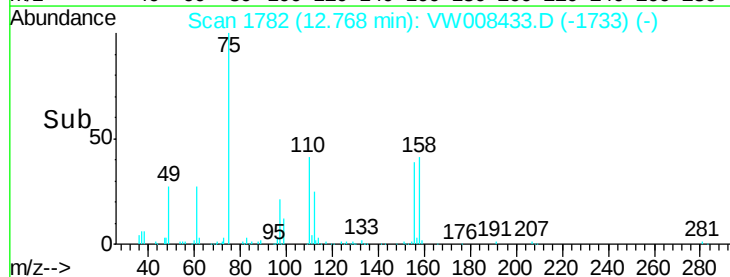
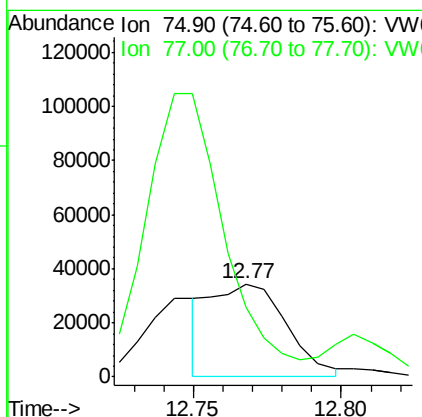
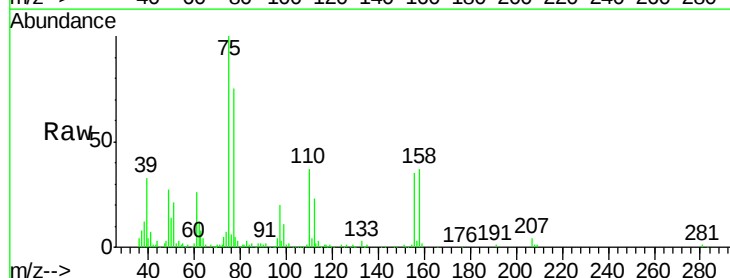
RT: 12.77 min Scan# 1782

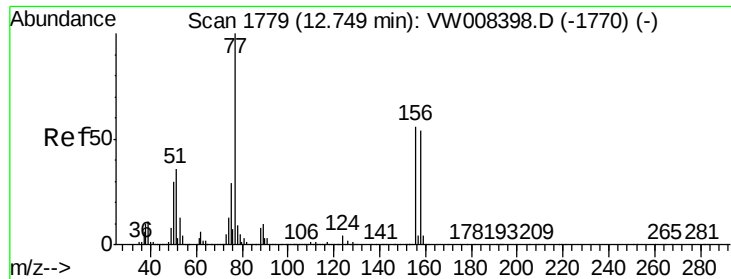
Delta R.T. 0.00 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

Tgt Ion:	75	Resp:	61683
Ion Ratio	Lower	Upper	
75	100		
77	82.0	180.7	542.1#





#77

Bromobenzene

Concen: 18.810 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

Instrument :

MSVOA_W

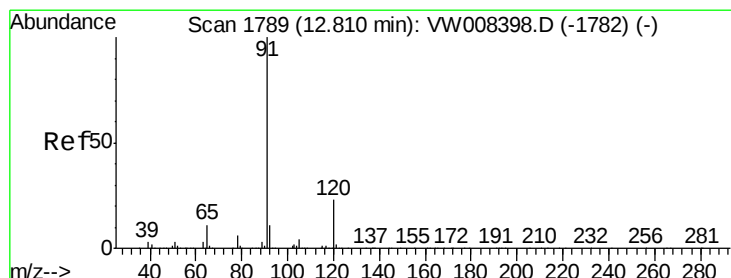
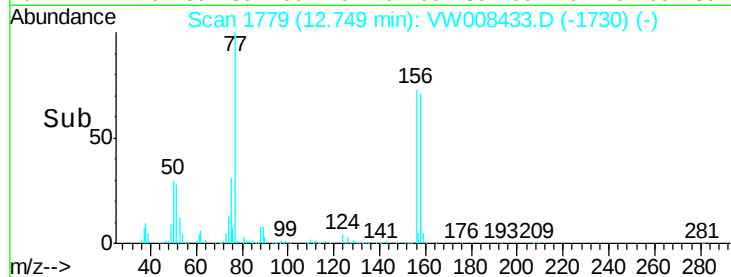
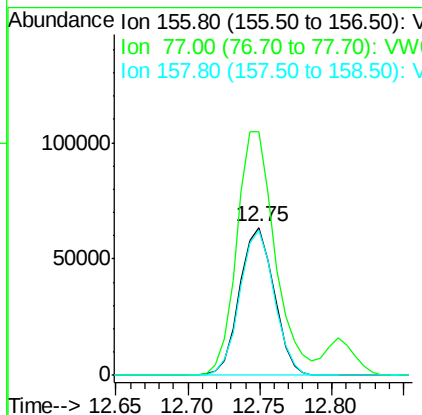
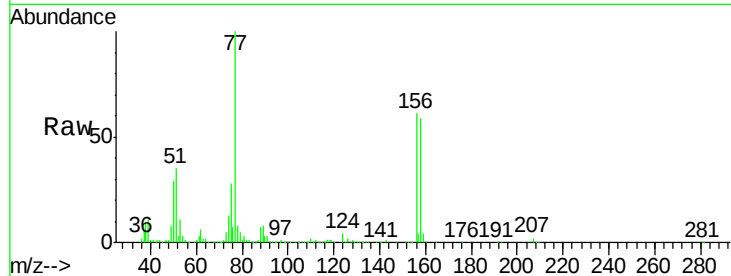
ClientSampleId :

VW0128SBS01

Tot Ion:	156	Resp:	105902
Ion Ratio	Lower	Upper	
156	100		
77	182.8	96.9	290.7
158	97.5	48.8	146.4

Manual Integrations
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#78

n-propylbenzene

Concen: 18.133 ug/l

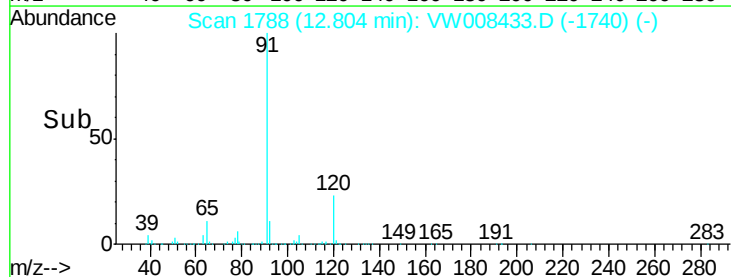
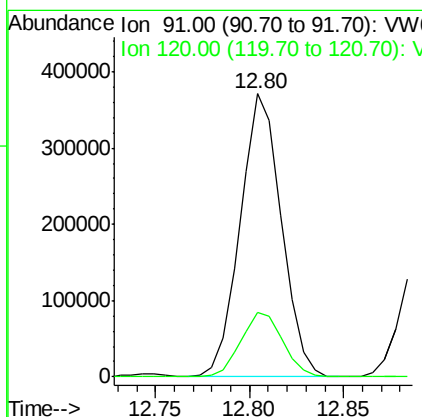
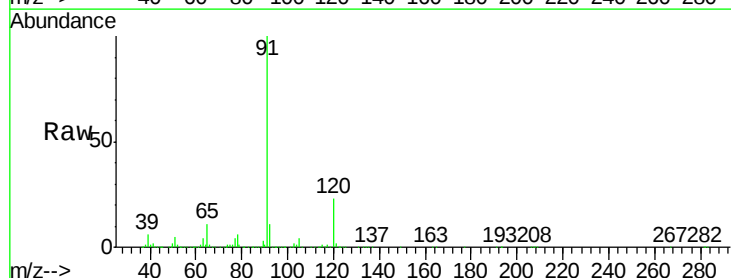
RT: 12.80 min Scan# 1788

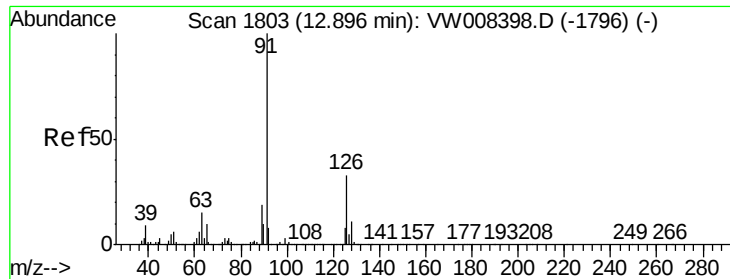
Delta R.T. -0.01 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

Tgt Ion:	91	Resp:	561428
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.4	34.1





#79

2-Chlorotoluene

Concen: 17.752 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

Instrument :

MSVOA_W

ClientSampleId :

VW0128SBS01

Tot Ion: 91 Resp: 310169

Ion Ratio Lower Upper

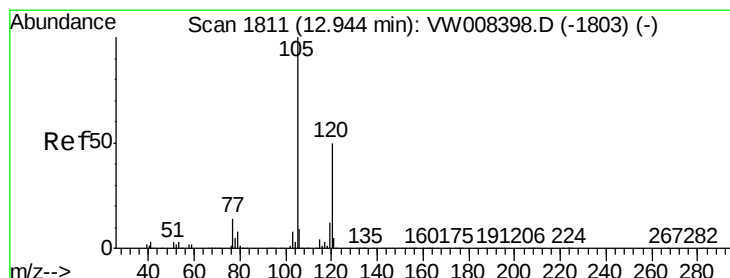
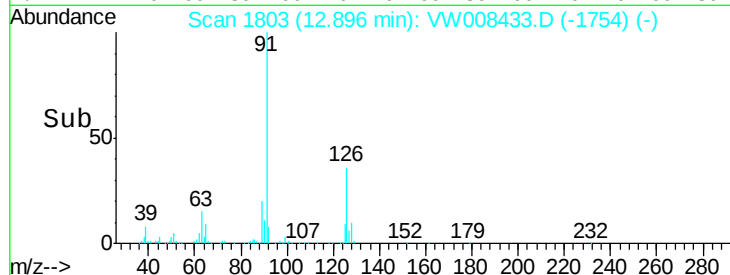
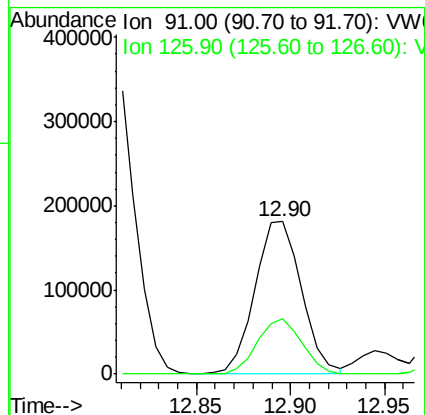
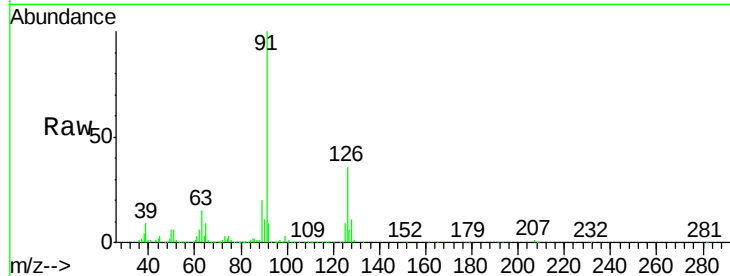
91 100

126 35.0 16.5 49.5

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 18.198 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008433.D

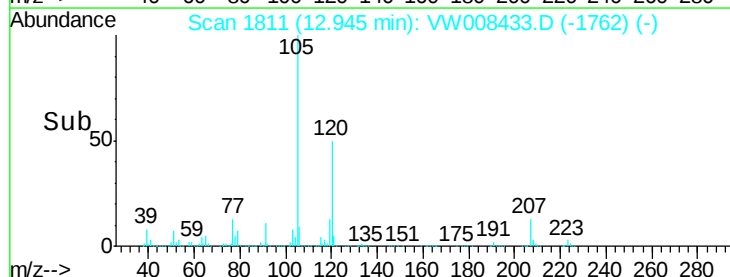
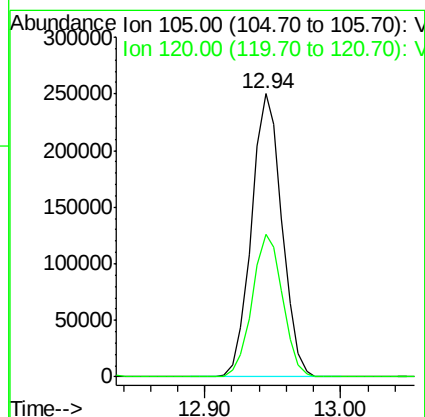
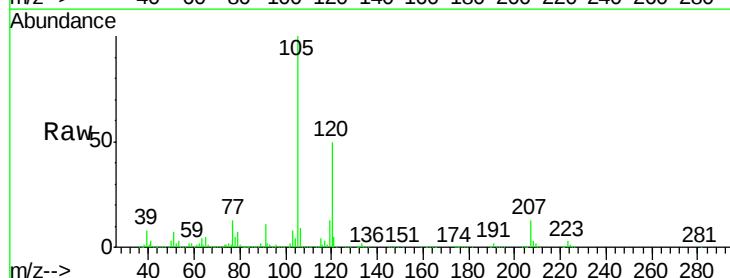
Acq: 28 Jan 2019 12:20

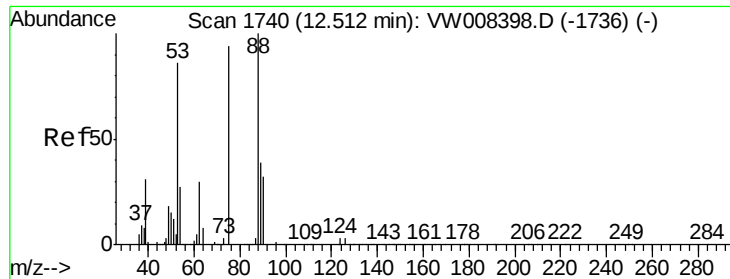
Tgt Ion: 105 Resp: 392109

Ion Ratio Lower Upper

105 100

120 50.4 24.6 73.8





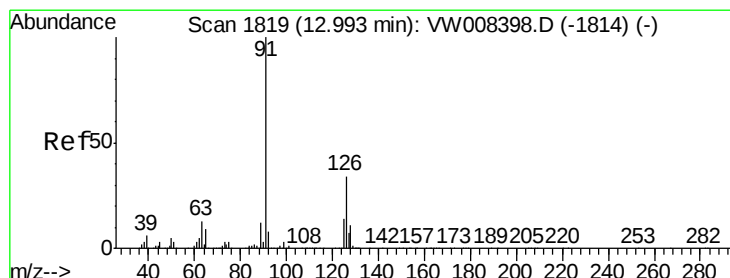
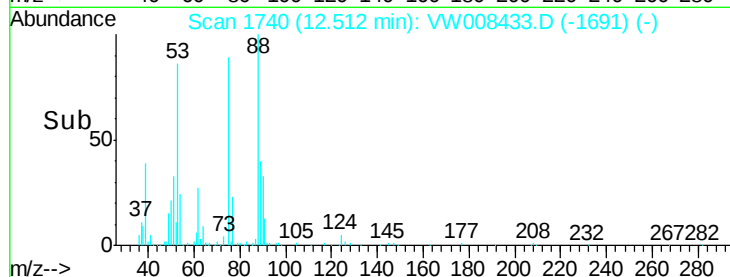
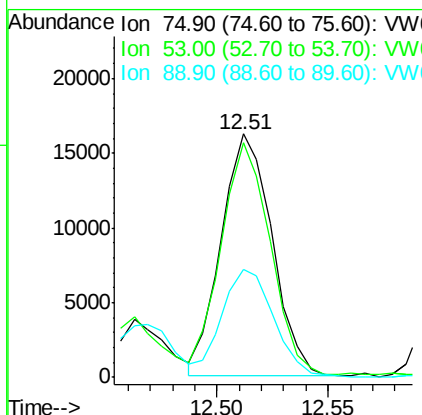
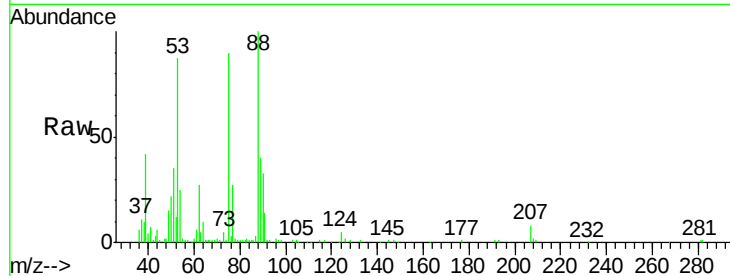
#81
trans-1,4-Dichloro-2-butene
Concen: 16.877 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008433.D
Acq: 28 Jan 2019 12:20

Instrument :
MSVOA_W
ClientSampleId :
VW0128SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.7	76.0	114.0
89	46.0	35.4	53.0

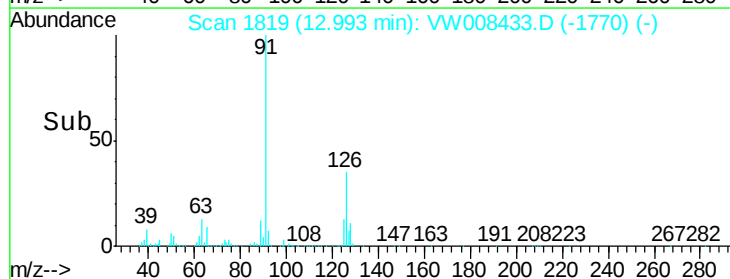
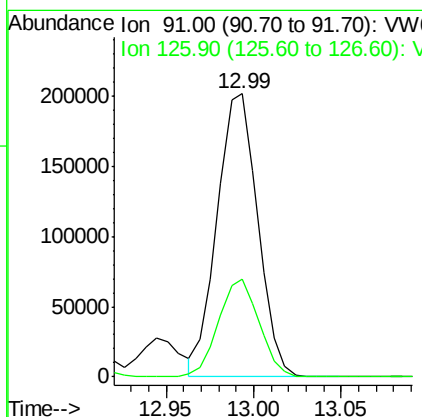
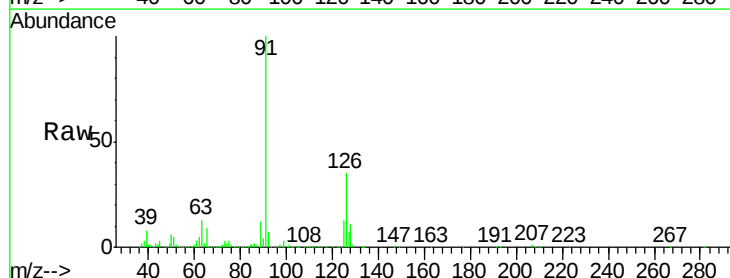
Manual Integrations
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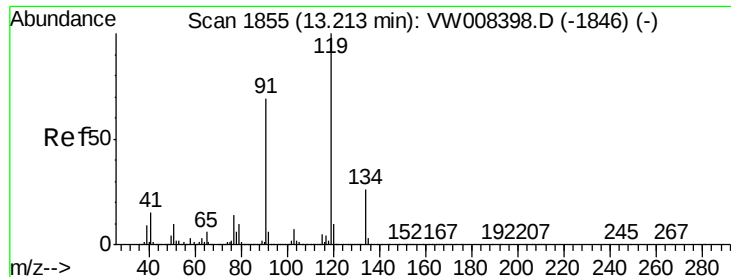
MMDadoda
1/29/2019 12:19:52 PM



#82
4-Chlorotoluene
Concen: 17.524 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW008433.D
Acq: 28 Jan 2019 12:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	16.4	49.2





#83

tert-Butylbenzene

Concen: 18.568 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.01 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

Instrument :

MSVOA_W

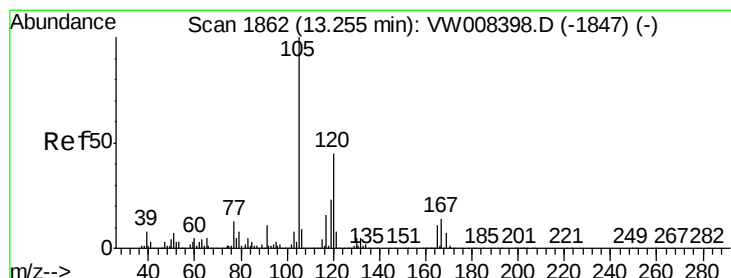
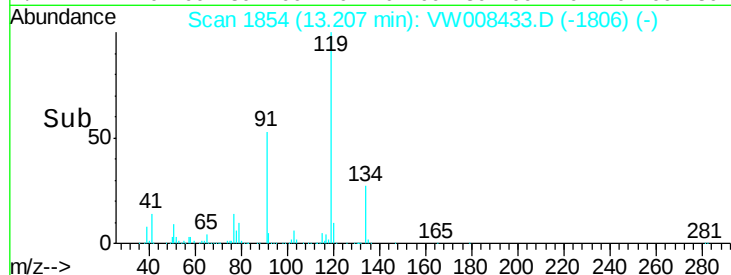
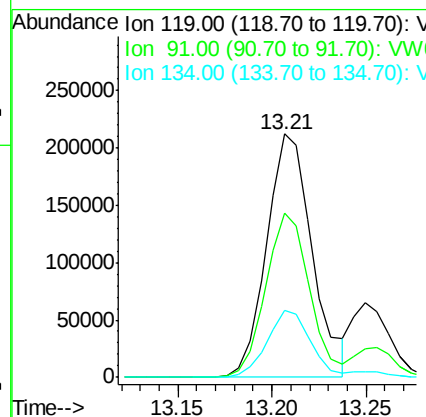
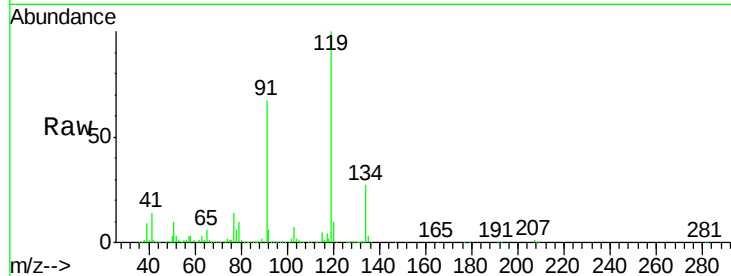
ClientSampleId :

VW0128SBS01

Tot Ion:	119	Resp:	356025
Ion Ratio	Lower	Upper	
119	100		
91	64.6	33.8	101.4
134	27.7	13.5	40.4

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 17.992 ug/l

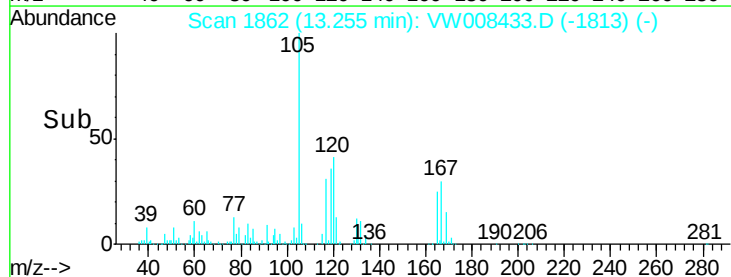
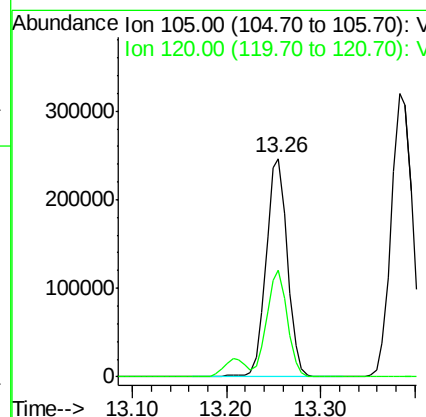
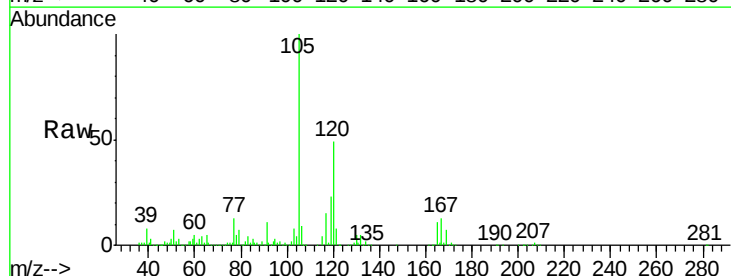
RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

Tgt Ion:	105	Resp:	394041
Ion Ratio	Lower	Upper	
105	100		
120	47.1	23.1	69.2





#85

sec-Butylbenzene

Concen: 18.267 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

Instrument :

MSVOA_W

ClientSampled :

VW0128SBS01

Tot Ion:105 Resp: 500204

Ion Ratio Lower Upper

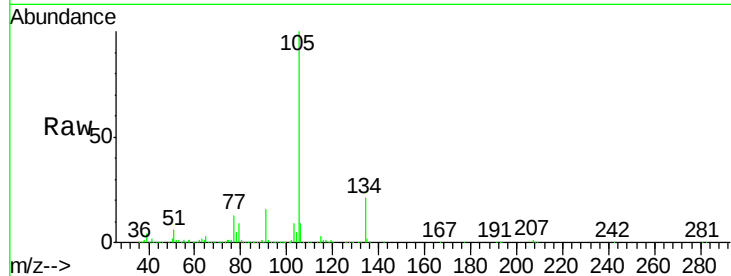
105 100

134 20.6 10.2 30.6

Manual Integrations
APPROVED

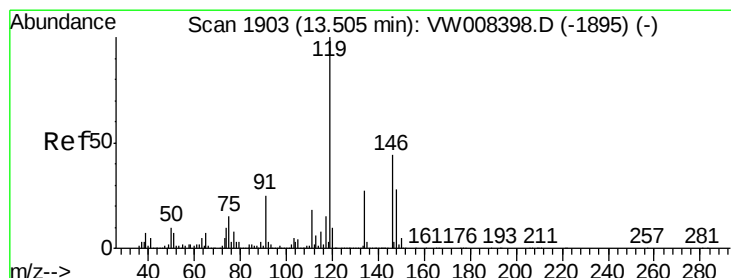
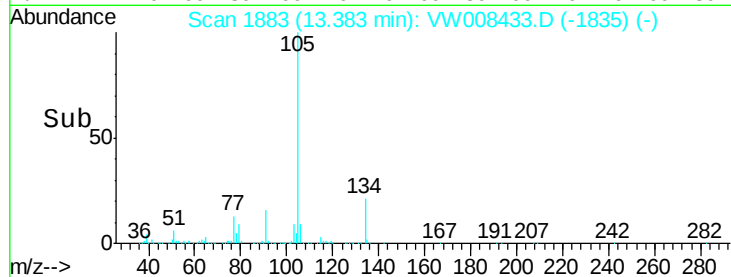
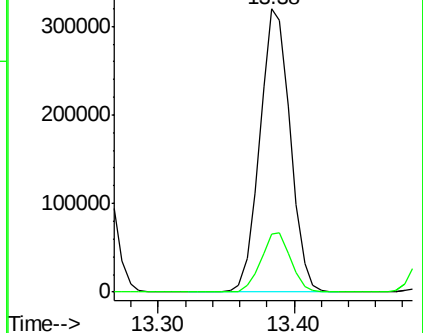
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.486 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

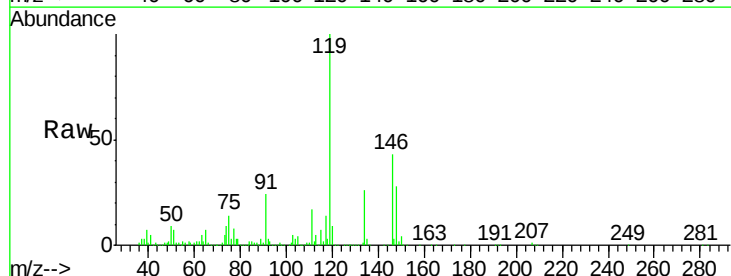
Tgt Ion:119 Resp: 443413

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

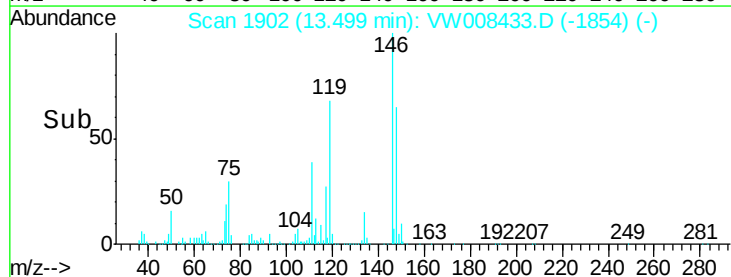
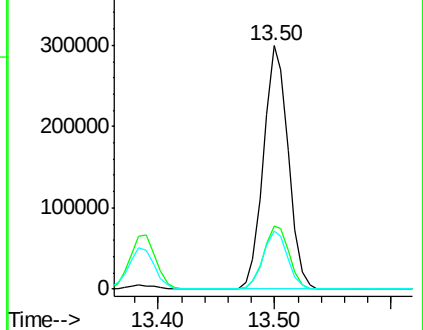
91 23.8 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 18.558 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

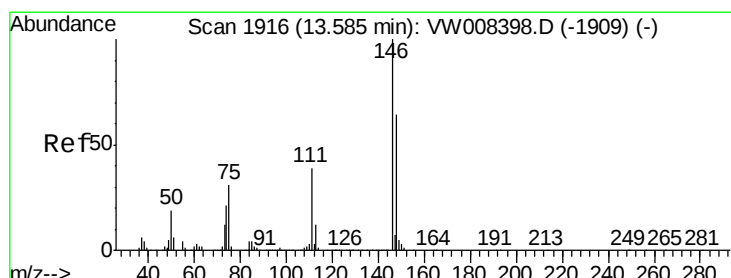
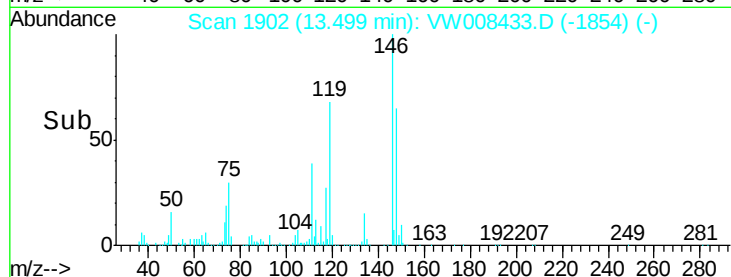
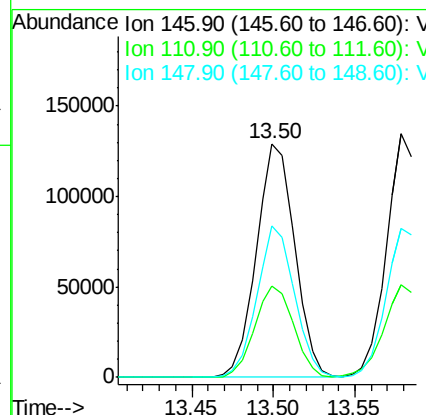
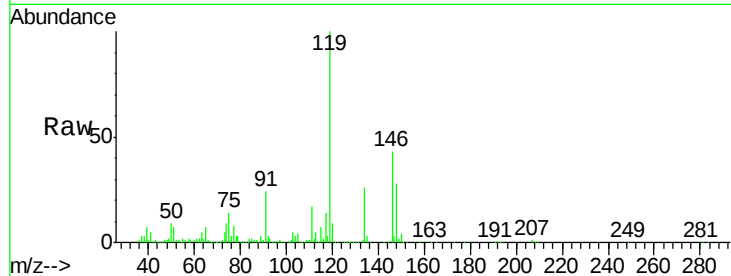
Instrument :
MSVOA_W

ClientSampleId :
VW0128SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	211010		
111	39.7	20.3	60.9	
148	63.3	31.9	95.7	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.610 ug/l

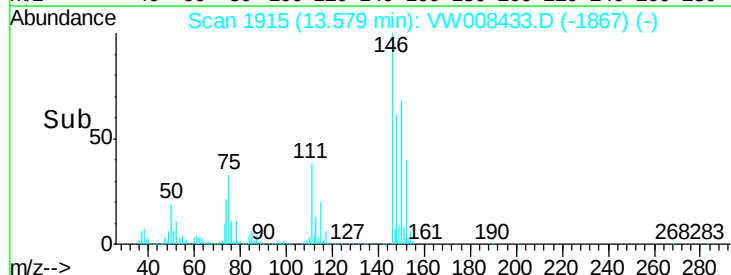
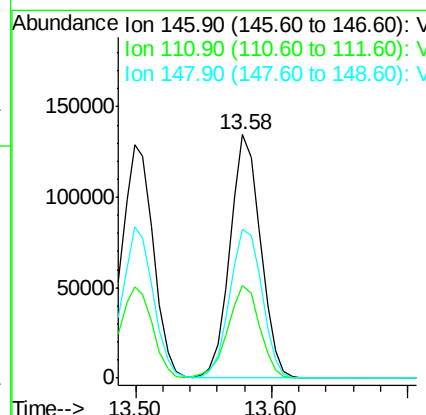
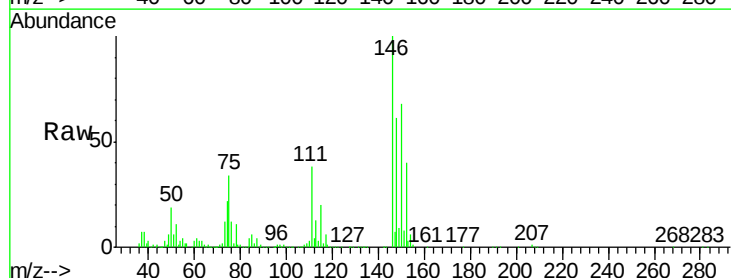
RT: 13.58 min Scan# 1915

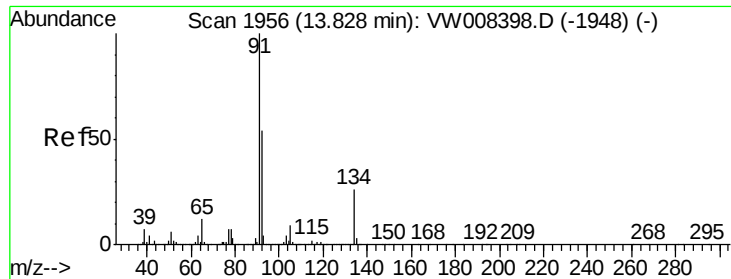
Delta R.T. -0.01 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	210282		
111	40.1	20.0	60.0	
148	65.0	32.0	96.2	





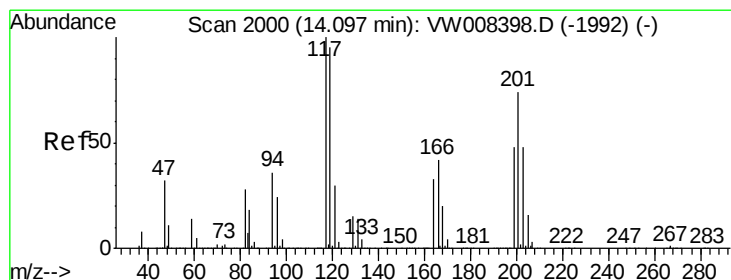
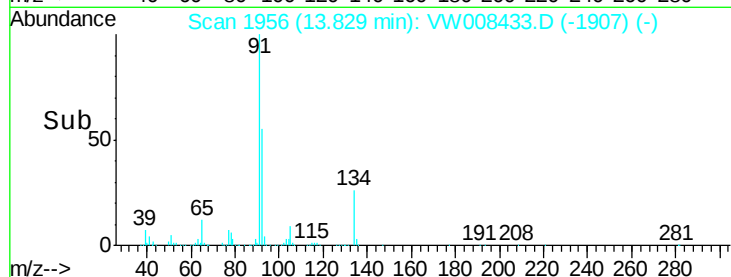
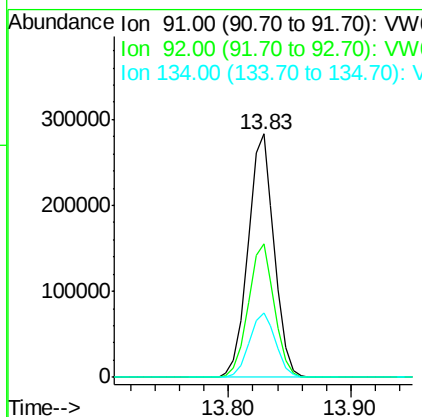
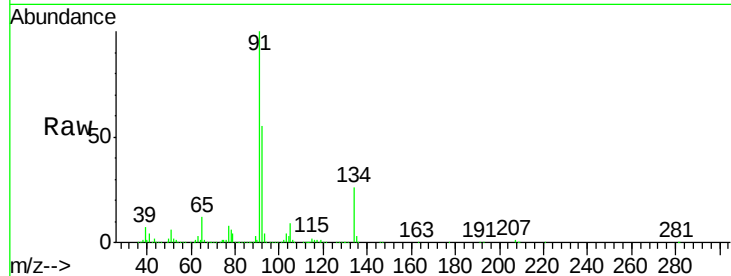
#89
n-Butylbenzene
Concen: 17.729 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008433.D
Acq: 28 Jan 2019 12:20

Instrument :
MSVOA_W
ClientSampleId :
VW0128SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.2	27.4	82.2
134	27.0	13.0	39.0

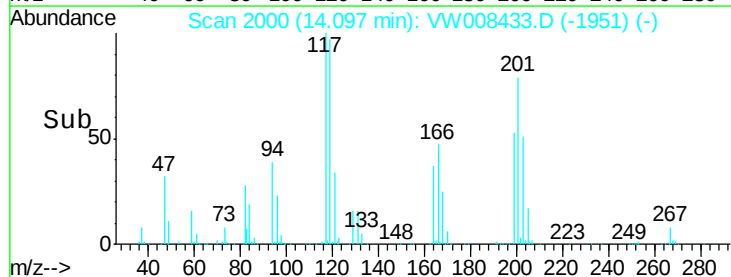
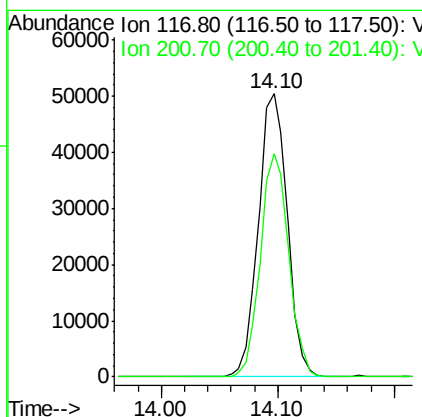
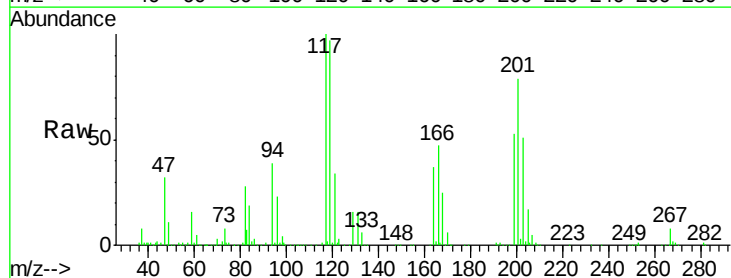
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#90
Hexachloroethane
Concen: 18.668 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008433.D
Acq: 28 Jan 2019 12:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.1	39.1	117.5





#91

1,2-Dichlorobenzene

Concen: 18.419 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

Instrument :

MSVOA_W

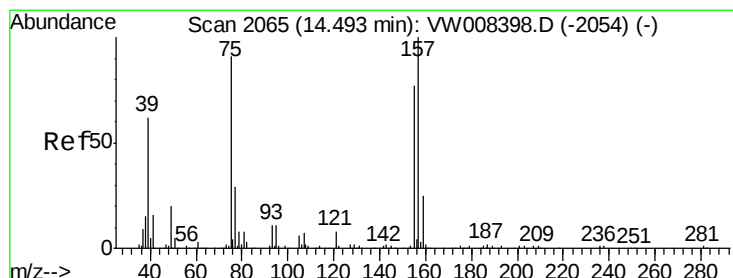
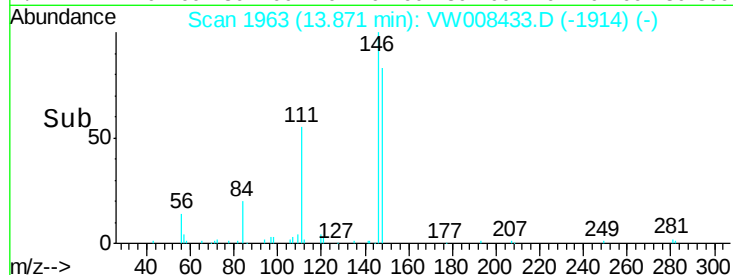
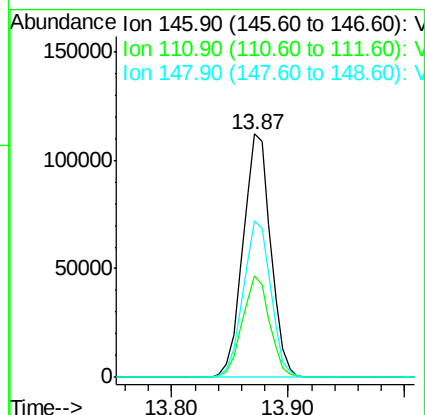
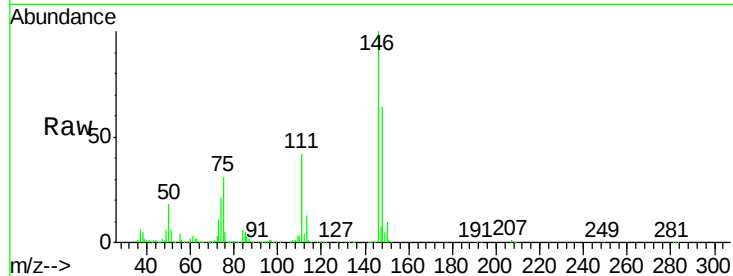
ClientSampleId :

VW0128SBS01

Tot Ion:	146	Resp:	185301
Ion Ratio	Lower	Upper	
146	100		
111	41.3	21.1	63.3
148	64.4	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 17.711 ug/l

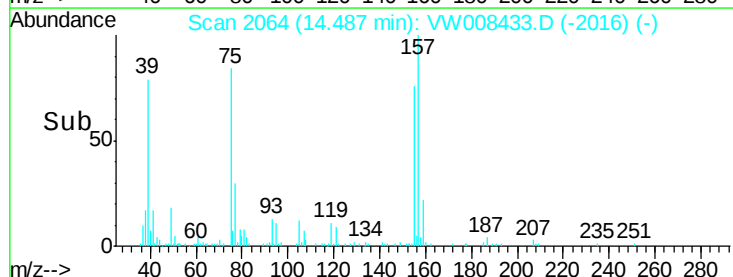
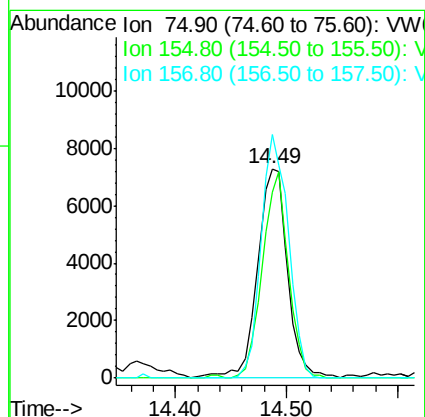
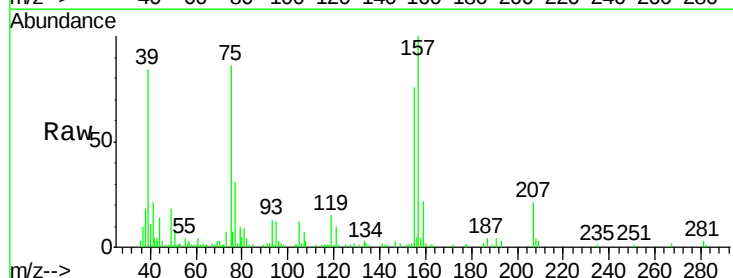
RT: 14.49 min Scan# 2064

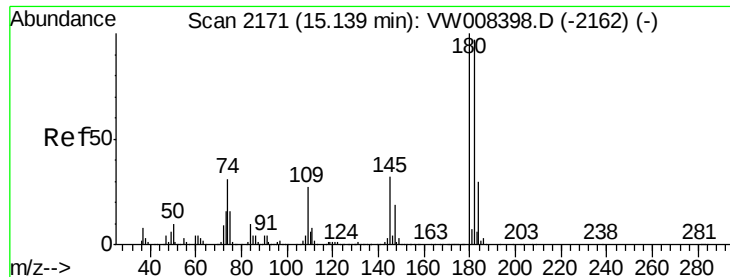
Delta R.T. -0.01 min

Lab File: VW008433.D

Acq: 28 Jan 2019 12:20

Tgt Ion:	75	Resp:	13715
Ion Ratio	Lower	Upper	
75	100		
155	85.2	42.7	128.1
157	105.7	55.5	166.3





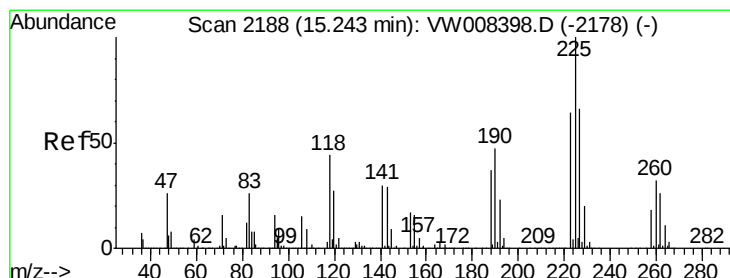
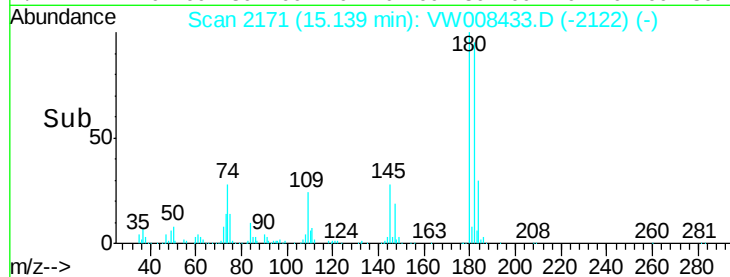
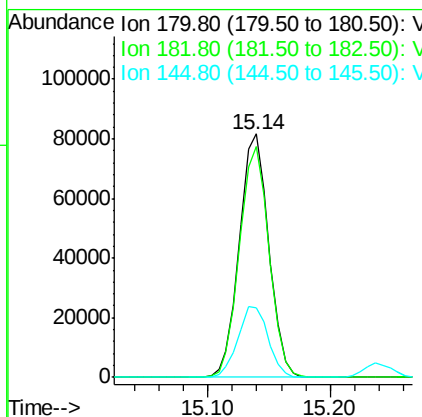
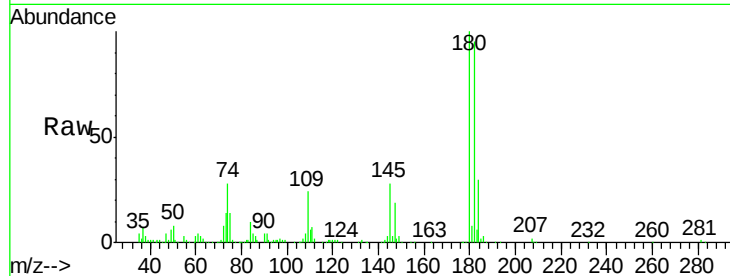
#93
 1,2,4-Trichlorobenzene
 Concen: 18.962 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008433.D
 Acq: 28 Jan 2019 12:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0128SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	136136		
182	95.1	47.9	143.7	
145	30.1	15.5	46.5	

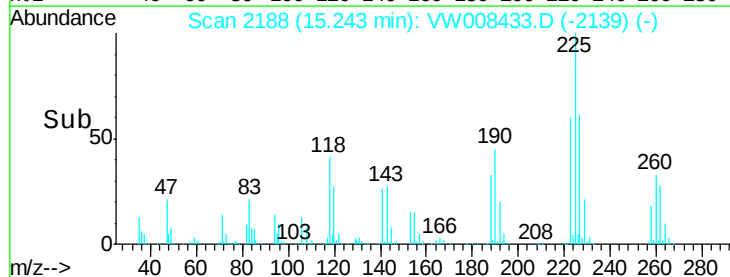
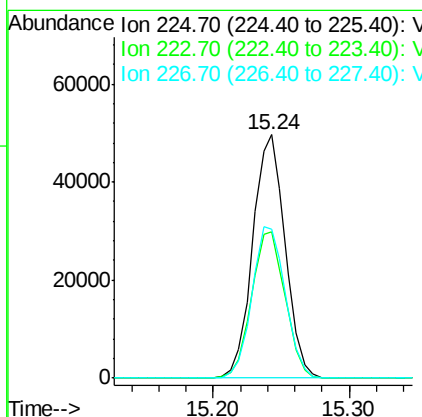
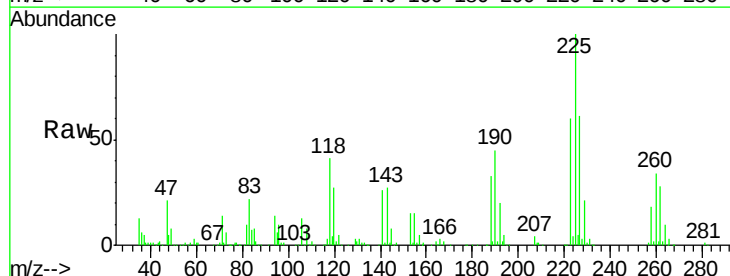
Manual Integrations
 APPROVED

MMDadoda
 1/29/2019 12:19:52 PM



#94
 Hexachlorobutadiene
 Concen: 19.132 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008433.D
 Acq: 28 Jan 2019 12:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	82778		
223	62.4	31.7	95.1	
227	63.7	32.1	96.3	





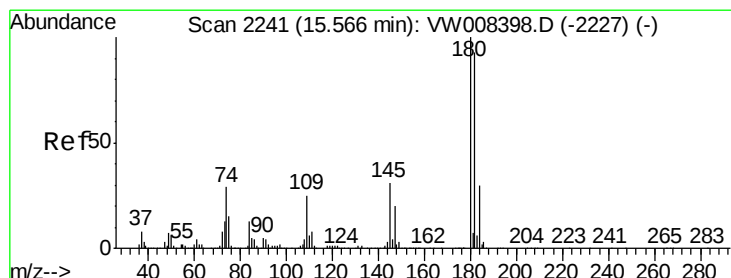
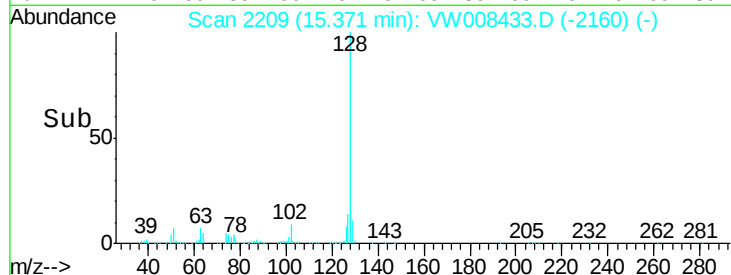
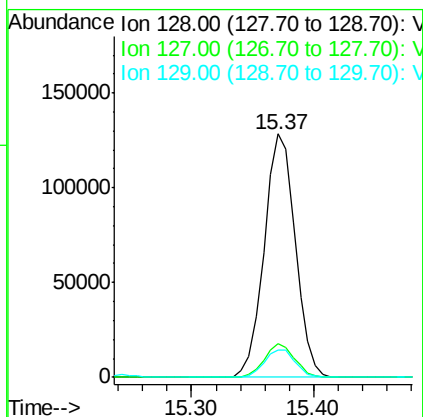
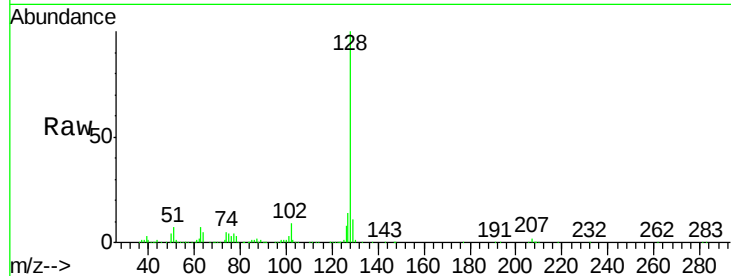
#95
Naphthalene
Concen: 17.976 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008433.D
Acq: 28 Jan 2019 12:20

Instrument :
MSVOA_W
ClientSampleId :
VW0128SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	15.8
129	11.5	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/29/2019 12:19:52 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.811 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008433.D
Acq: 28 Jan 2019 12:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.0	141.2
145	32.3	15.9	47.6

