

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW013019\
 Data File : VW008471.D
 Acq On : 30 Jan 2019 18:04
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/1/2019 10:47:15 AM

Quant Time: Jan 31 04:29:59 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	383729	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	592141	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	522865	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	263122	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	185928	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
35) Dibromofluoromethane	7.88	113	185529	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	
50) Toluene-d8	10.32	98	716148	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
62) 4-Bromofluorobenzene	12.62	95	260234	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	101678	46.122	ug/l	99
3) Chloromethane	2.21	50	139018	44.382	ug/l	99
4) Vinyl Chloride	2.37	62	195708	49.083	ug/l	96
5) Bromomethane	2.78	94	145437	56.550	ug/l	99
6) Chloroethane	2.92	64	136948	56.160	ug/l	99
7) Trichlorofluoromethane	3.26	101	162742	47.216	ug/l	100
8) Diethyl Ether	3.67	74	100379	52.454	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.05	101	184984	53.299	ug/l	96
10) Methyl Iodide	4.26	142	305082	55.652	ug/l	99
11) Tert butyl alcohol	5.17	59	75684	249.362	ug/l	100
12) 1,1-Dichloroethene	4.03	96	180992	51.530	ug/l	99
13) Acrolein	3.89	56	54383	203.872	ug/l	99
14) Allyl chloride	4.66	41	319966	47.974	ug/l	97
15) Acrylonitrile	5.36	53	211180	255.564	ug/l	99
16) Acetone	4.12	43	192502	227.393	ug/l	96
17) Carbon Disulfide	4.37	76	528094	47.076	ug/l	98
18) Methyl Acetate	4.66	43	114426	50.677	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	316104	54.394	ug/l	95
20) Methylene Chloride	4.91	84	192572	49.354	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	203561	51.551	ug/l	95
22) Diisopropyl ether	6.31	45	618957	48.966	ug/l	97
23) Vinyl Acetate	6.25	43	1787461	239.480	ug/l	98
24) 1,1-Dichloroethane	6.21	63	362631	50.682	ug/l	99
25) 2-Butanone	7.17	43	278577	236.914	ug/l	98
26) 2,2-Dichloropropane	7.17	77	241907	50.018	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	228440	53.082	ug/l	96
28) Bromochloromethane	7.51	49	149869	45.604	ug/l	93
29) Tetrahydrofuran	7.52	42	179501	240.896	ug/l	95
30) Chloroform	7.67	83	370966	52.712	ug/l	98
31) Cyclohexane	7.95	56	315882	42.696	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	315999	51.986	ug/l	98
36) 1,1-Dichloropropene	8.08	75	290170	51.877	ug/l	99
37) Ethyl Acetate	7.25	43	123089	49.739	ug/l	97
38) Carbon Tetrachloride	8.07	117	306294	54.417	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	352177	47.929	ug/l	97
40) Benzene	8.32	78	809908	52.181	ug/l	99
41) Methacrylonitrile	7.48	41	76635	52.300	ug/l	96
42) 1,2-Dichloroethane	8.40	62	236939	52.677	ug/l	100
43) Isopropyl Acetate	8.42	43	254447	49.491	ug/l	96
44) Trichloroethene	9.09	130	231403	54.826	ug/l	97
45) 1,2-Dichloropropane	9.37	63	202852	52.417	ug/l	97
46) Dibromomethane	9.46	93	106813	53.662	ug/l	96
47) Bromodichloromethane	9.64	83	279404	53.070	ug/l	98
48) Methyl methacrylate	9.43	41	121229	48.224	ug/l	96
49) 1,4-Dioxane	9.45	88	37366	1110.588	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	629480	247.833	ug/l	98
52) Toluene	10.39	92	524755	51.217	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	284513	50.786	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	330140	51.928	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	147491	53.421	ug/l	98
56) Ethyl methacrylate	10.65	69	191841	49.589	ug/l	98
57) 1,3-Dichloropropane	10.93	76	257109	51.981	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	510906	271.808	ug/l	97
59) 2-Hexanone	10.97	43	436763	243.581	ug/l	99
60) Dibromochloromethane	11.13	129	190005	53.553	ug/l	99
61) 1,2-Dibromoethane	11.23	107	146234	53.418	ug/l	99
64) Tetrachloroethene	10.86	164	195490	55.221	ug/l	97
65) Chlorobenzene	11.66	112	581468	54.478	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	207555	54.351	ug/l	99
67) Ethyl Benzene	11.73	91	1022589	52.121	ug/l	99
68) m/p-Xylenes	11.84	106	793317	104.215	ug/l	97
69) o-Xylene	12.16	106	376854	52.103	ug/l	97
70) Styrene	12.18	104	615072	51.482	ug/l	98
71) Bromoform	12.35	173	114041	53.077	ug/l #	100
73) Isopropylbenzene	12.47	105	1035644	52.795	ug/l	100
74) N-amyl acetate	12.27	43	247866	49.049	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	166271	53.538	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	118962m	52.002	ug/l	
77) Bromobenzene	12.75	156	235978	55.083	ug/l	95
78) n-propylbenzene	12.80	91	1222021	51.868	ug/l	99
79) 2-Chlorotoluene	12.90	91	689849	51.888	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	850033	51.844	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	57533	49.672	ug/l	99
82) 4-Chlorotoluene	12.99	91	725045	51.222	ug/l	98
83) tert-Butylbenzene	13.21	119	777796	53.309	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	871223	52.278	ug/l	100
85) sec-Butylbenzene	13.39	105	1082840	51.967	ug/l	99
86) p-Isopropyltoluene	13.50	119	956324	52.395	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	465521	53.806	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	460101	53.510	ug/l	99
89) n-Butylbenzene	13.83	91	908459	50.692	ug/l	99
90) Hexachloroethane	14.10	117	184934	51.810	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	413450	54.008	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	28538	48.430	ug/l	98

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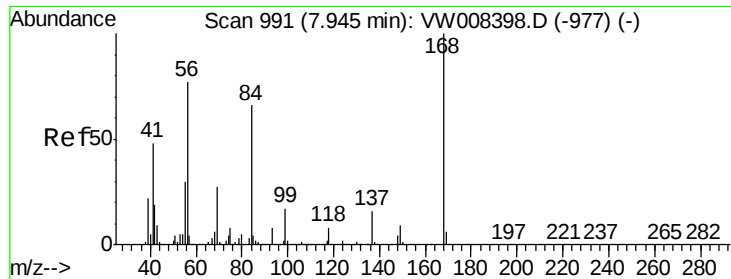
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	288991	52.900	ug/l	99
94) Hexachlorobutadiene	15.24	225	175359	53.263	ug/l	99
95) Naphthalene	15.37	128	507242	52.881	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	244623	52.787	ug/l	98

(#) = 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: VW008471.D

Acq: 30 Jan 2019 18:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 383729

Ion Ratio Lower Upper

168 100

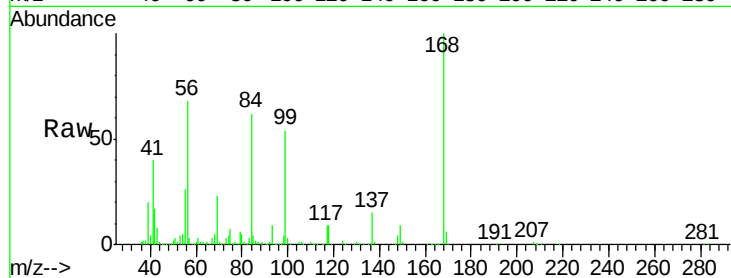
99 53.7 45.5 68.3

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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

200000

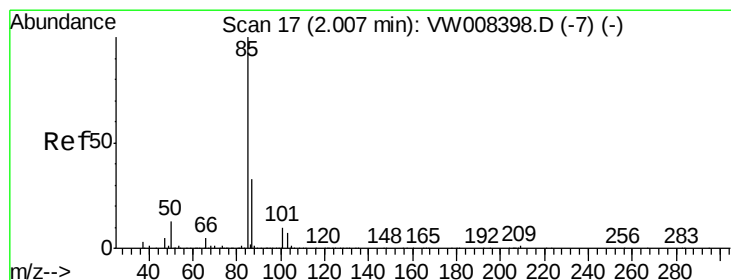
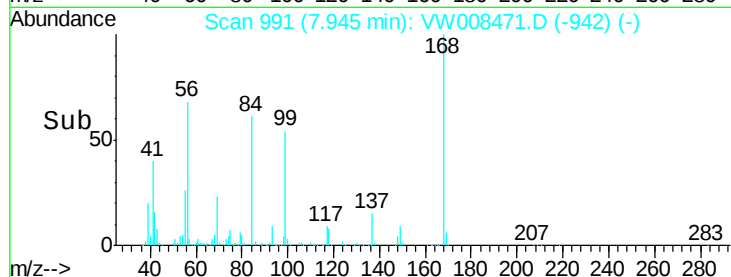
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 46.122 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008471.D

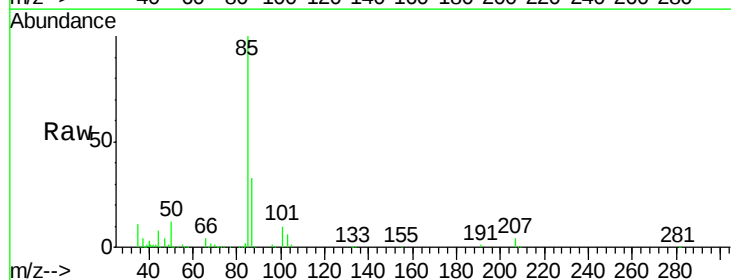
Acq: 30 Jan 2019 18:04

Tgt Ion: 85 Resp: 101678

Ion Ratio Lower Upper

85 100

87 33.0 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

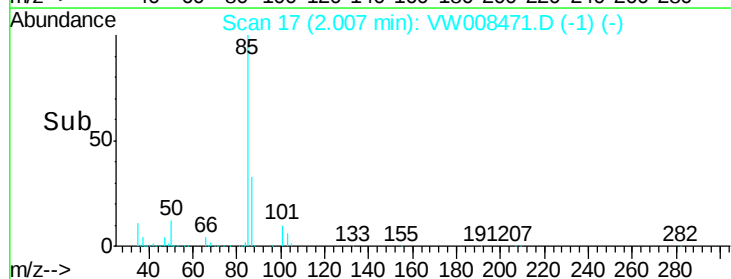
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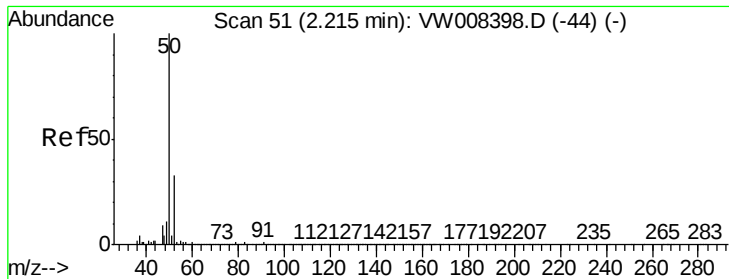
20000

10000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 44.382 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 139018

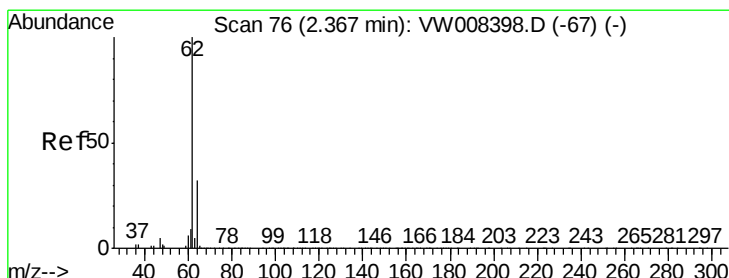
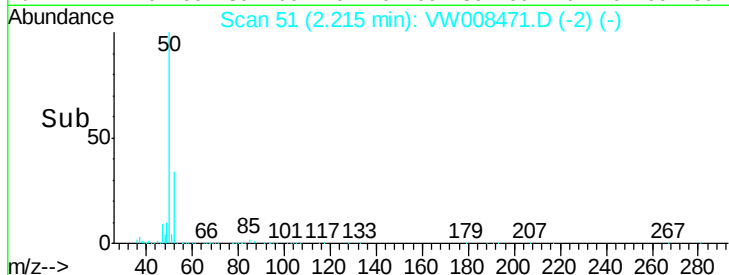
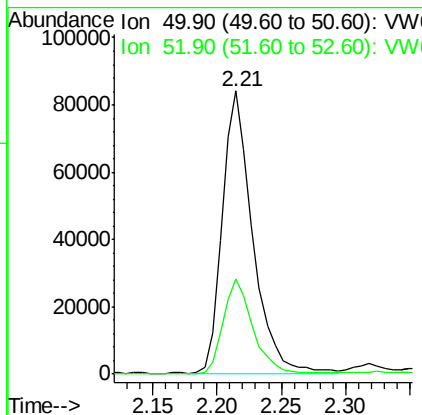
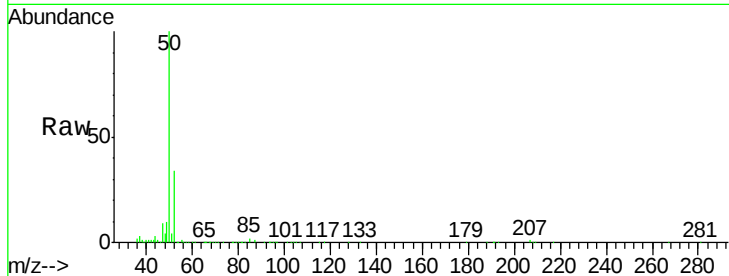
Ion Ratio Lower Upper

50 100

52 33.7 26.3 39.5

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#4

Vinyl Chloride

Concen: 49.083 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW008471.D

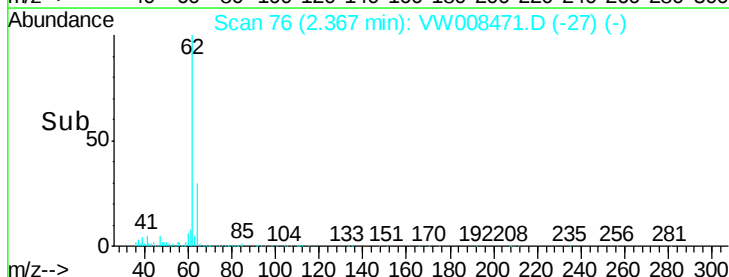
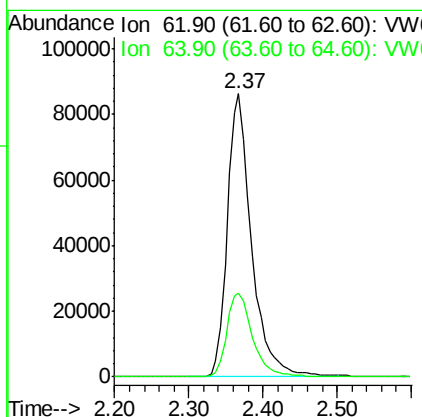
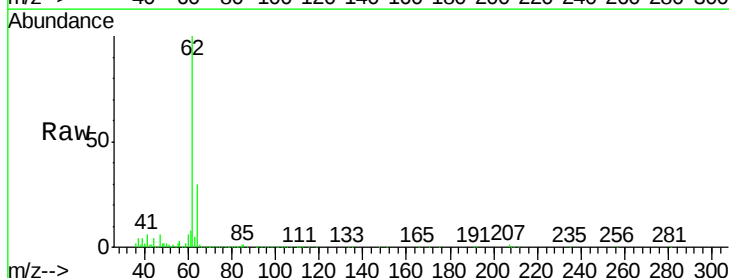
Acq: 30 Jan 2019 18:04

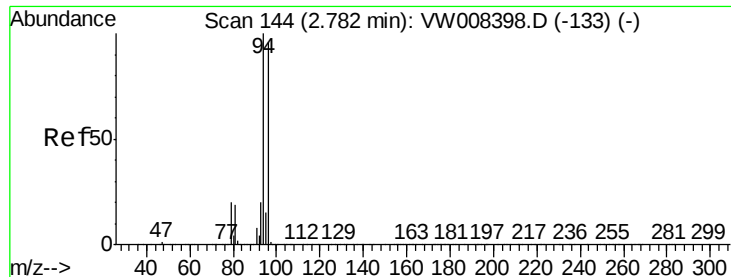
Tgt Ion: 62 Resp: 195708

Ion Ratio Lower Upper

62 100

64 29.6 25.5 38.3





#5

Bromomethane

Concen: 56.550 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 145437

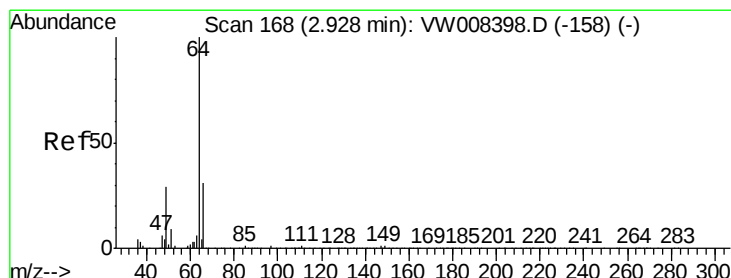
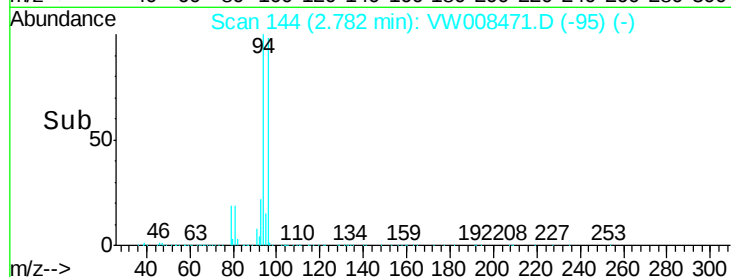
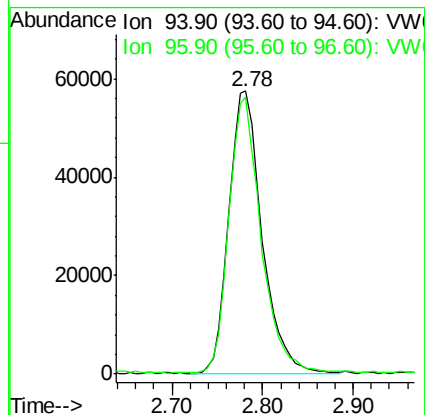
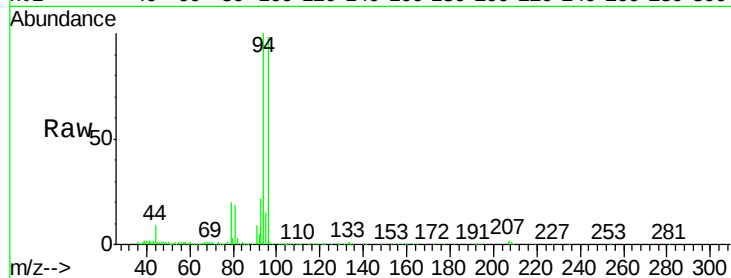
Ion Ratio Lower Upper

94 100

96 97.4 77.2 115.8

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#6

Chloroethane

Concen: 56.160 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008471.D

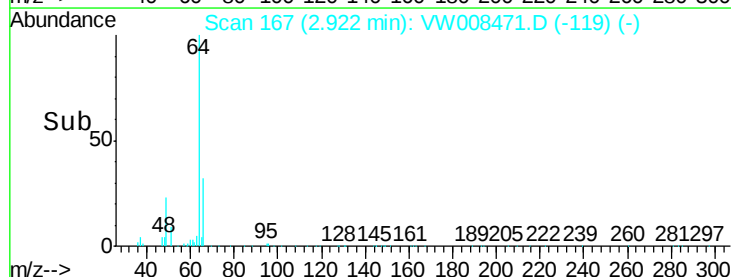
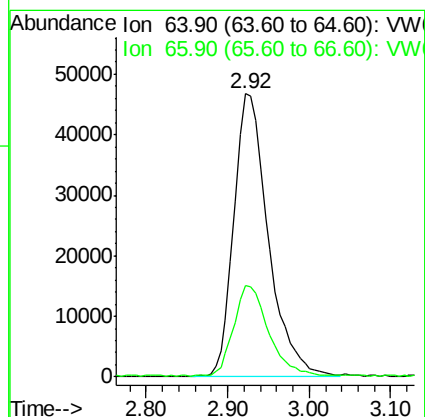
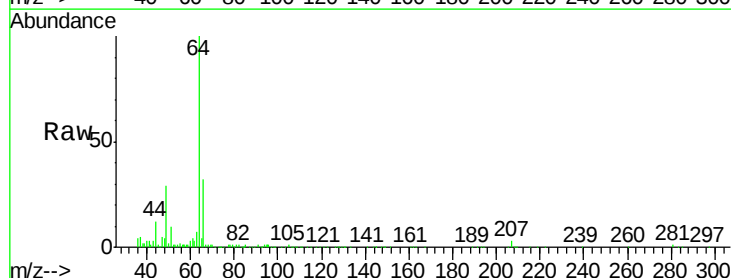
Acq: 30 Jan 2019 18:04

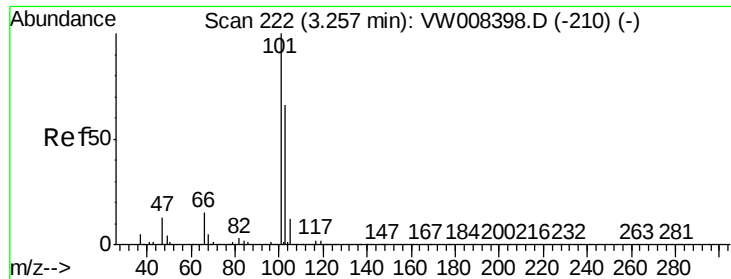
Tgt Ion: 64 Resp: 136948

Ion Ratio Lower Upper

64 100

66 31.7 24.9 37.3





#7

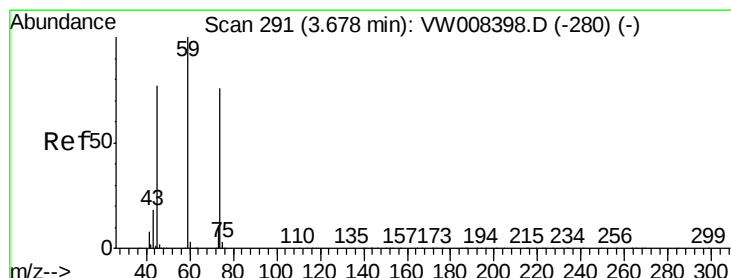
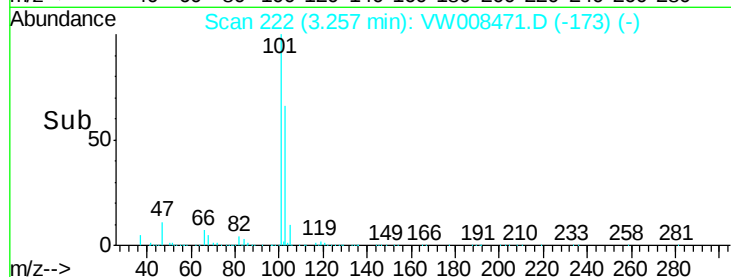
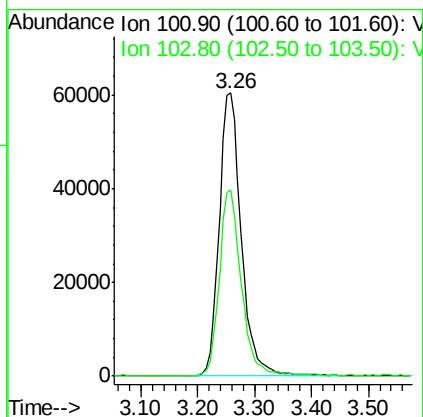
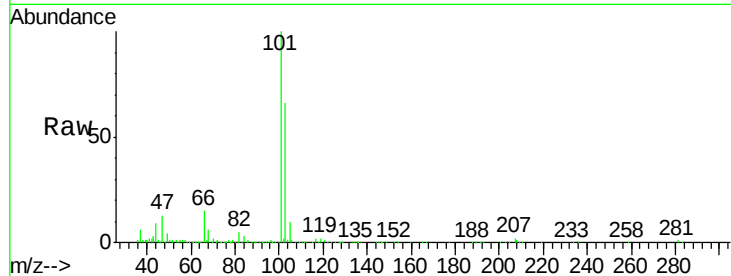
Trichlorofluoromethane
Concen: 47.216 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW008471.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.5	78.7

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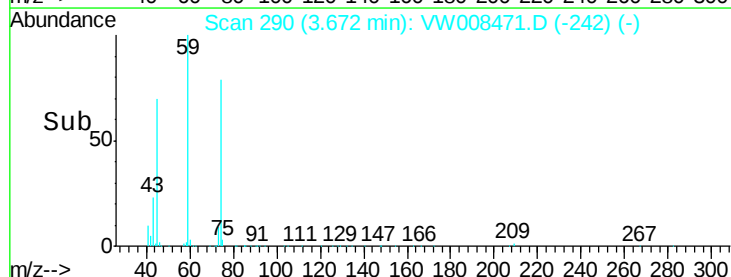
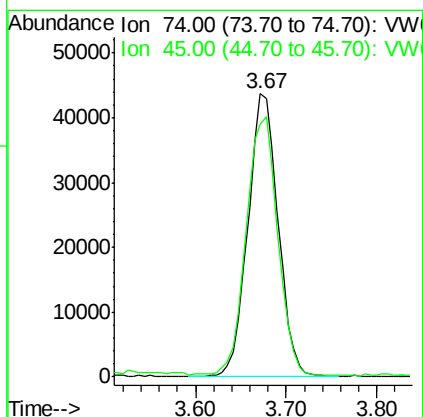
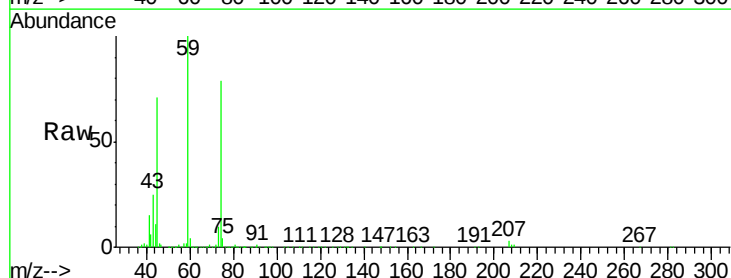
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#8

Diethyl Ether
Concen: 52.454 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008471.D
Acq: 30 Jan 2019 18:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.6	51.7	155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.299 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

Instrument :

MSVOA_W

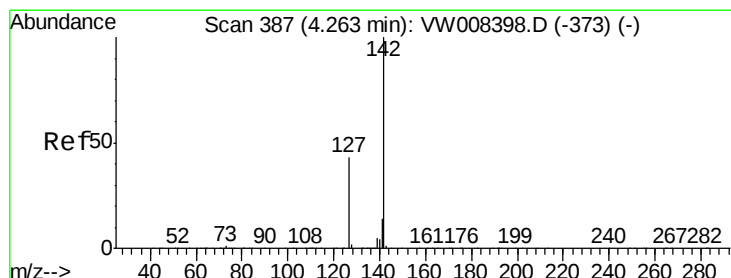
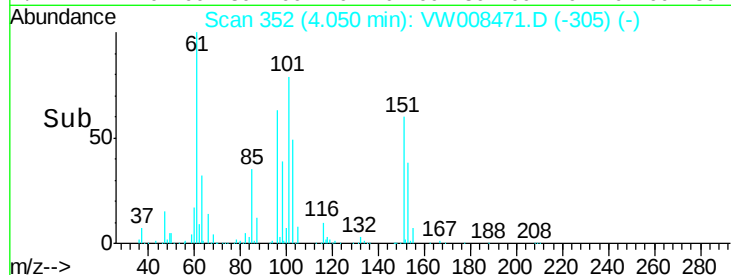
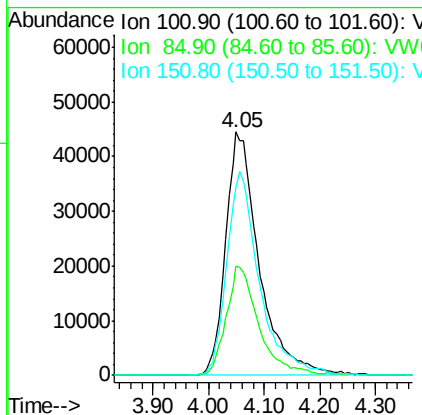
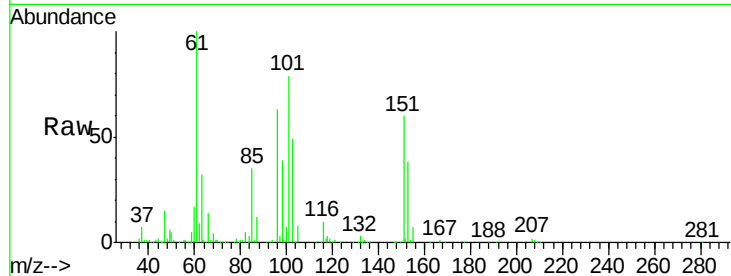
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	184984
Ion Ratio	Lower	Upper	
101	100		
85	44.0	35.0	52.4
151	82.9	62.6	94.0

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#10

Methyl Iodide

Concen: 55.652 ug/l

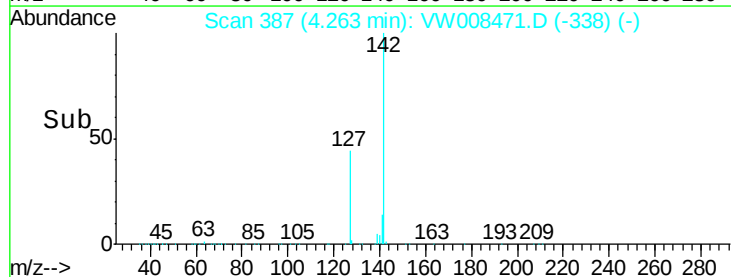
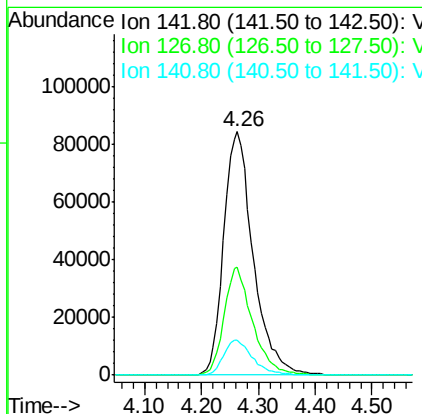
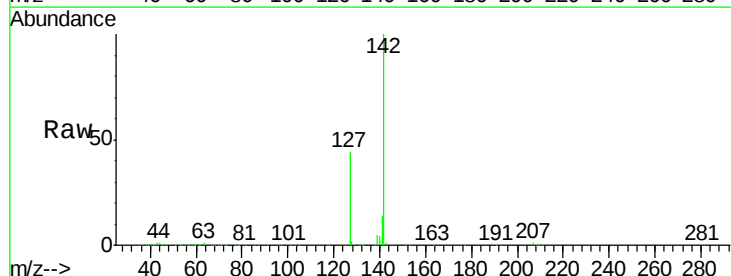
RT: 4.26 min Scan# 387

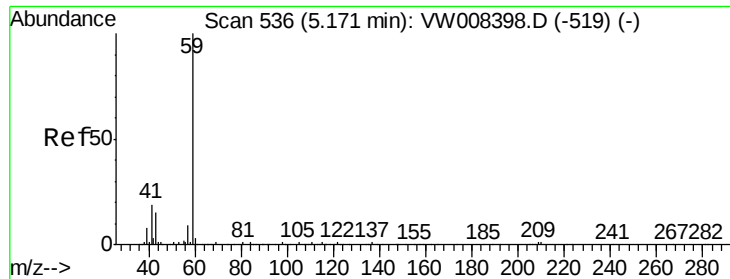
Delta R.T. 0.00 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

Tgt Ion:	142	Resp:	305082
Ion Ratio	Lower	Upper	
142	100		
127	42.6	34.6	52.0
141	14.3	11.4	17.2





#11

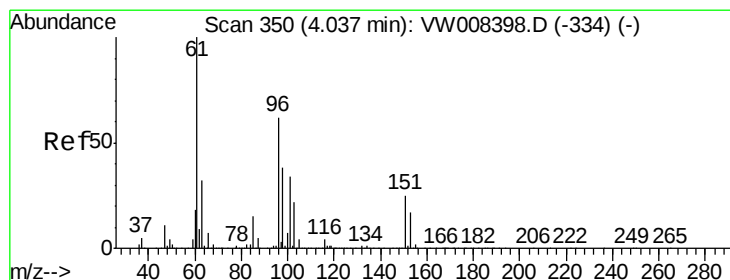
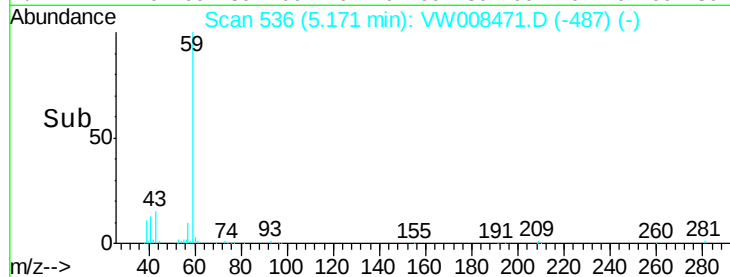
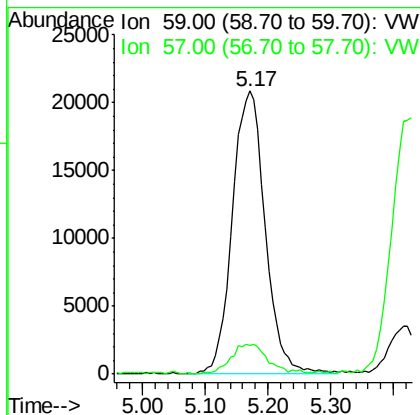
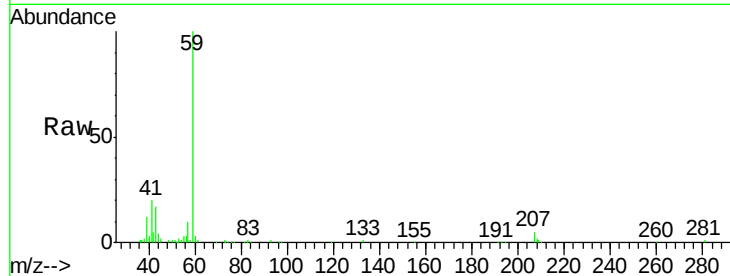
Tert butyl alcohol
Concen: 249.362 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW008471.D
Acq: 30 Jan 2019 18:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.7	9.3	13.9

Manual Integrations
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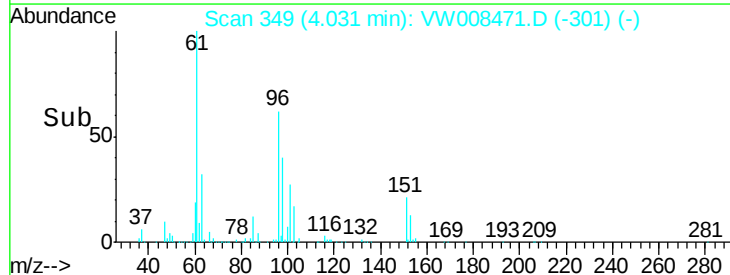
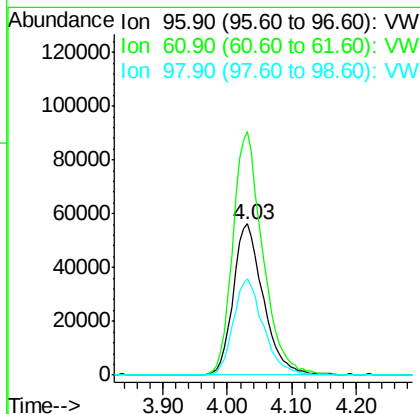
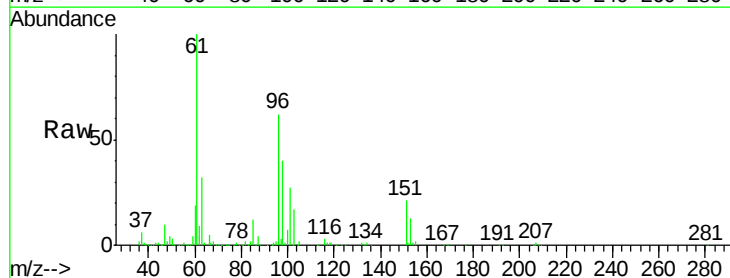
MMDadoda
2/1/2019 10:47:15 AM

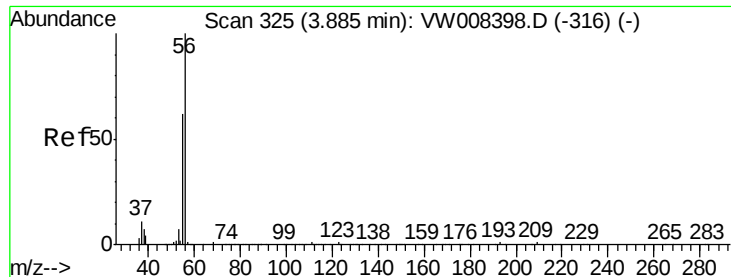


#12

1,1-Dichloroethene
Concen: 51.530 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW008471.D
Acq: 30 Jan 2019 18:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.7	129.5	194.3
98	63.9	48.6	73.0





#13

Acrolein

Concen: 203.872 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 54383

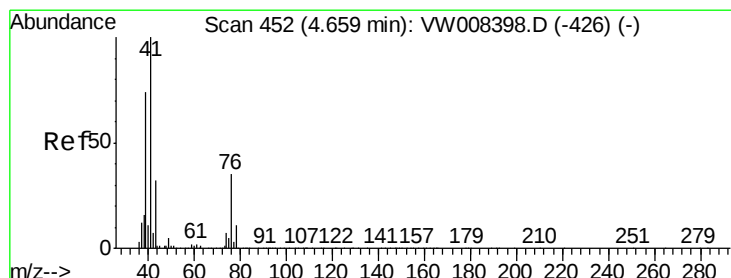
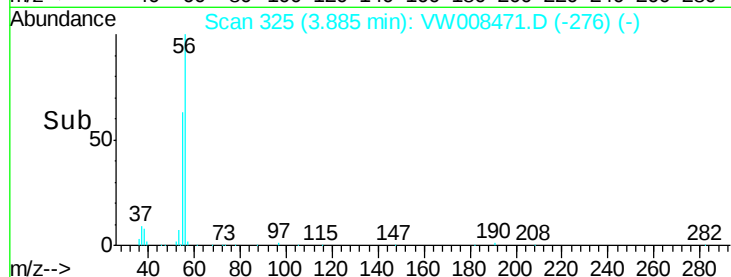
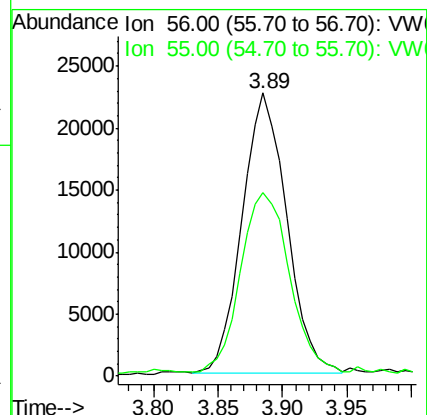
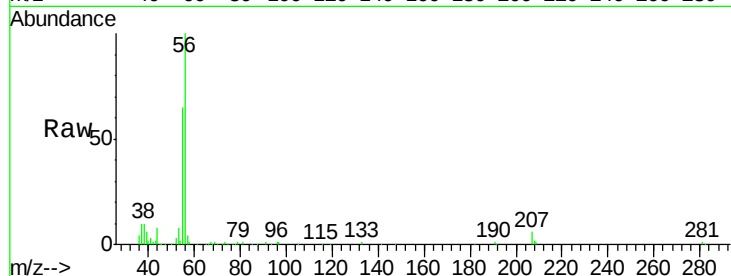
Ion Ratio Lower Upper

56 100

55 69.8 56.7 85.1

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#14

Allyl chloride

Concen: 47.974 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

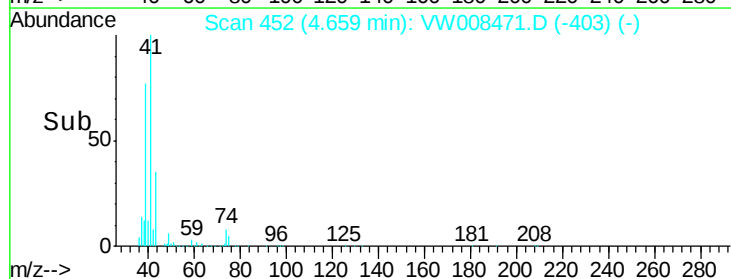
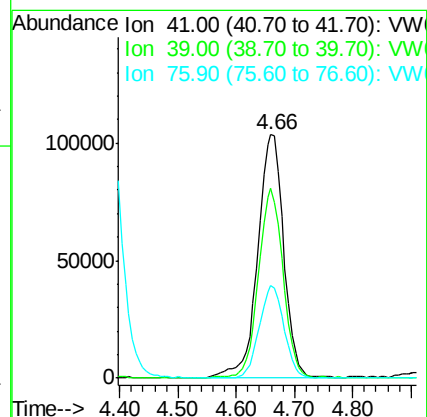
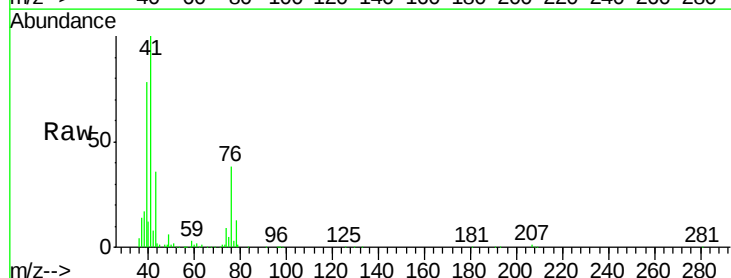
Tgt Ion: 41 Resp: 319966

Ion Ratio Lower Upper

41 100

39 73.7 57.7 86.5

76 35.9 26.9 40.3





#15

Acrylonitrile

Concen: 255.564 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

Instrument :

MSVOA_W

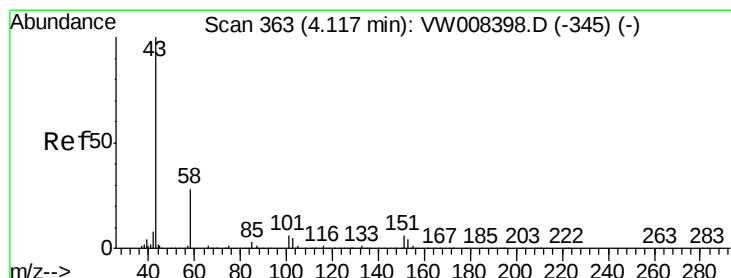
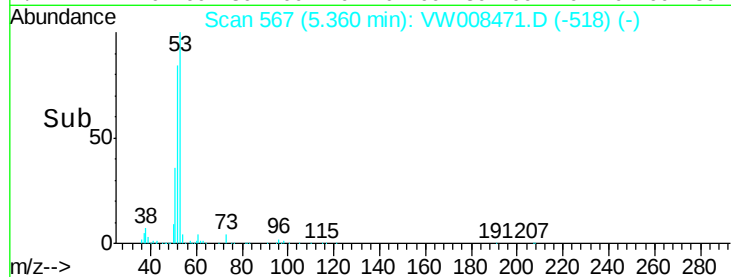
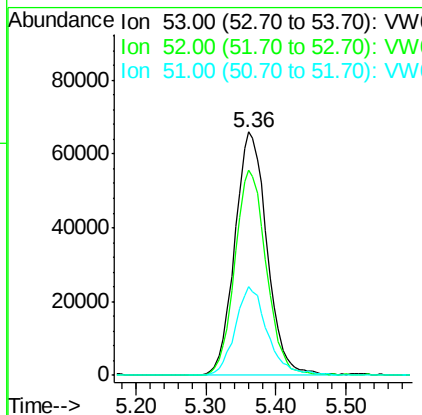
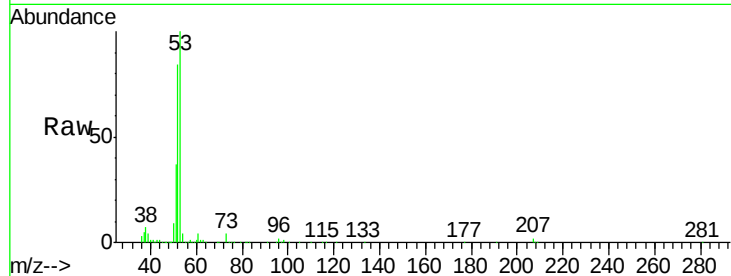
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	211180
Ion	Ratio	Lower	Upper
53	100		
52	82.3	67.0	100.4
51	36.5	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 227.393 ug/l

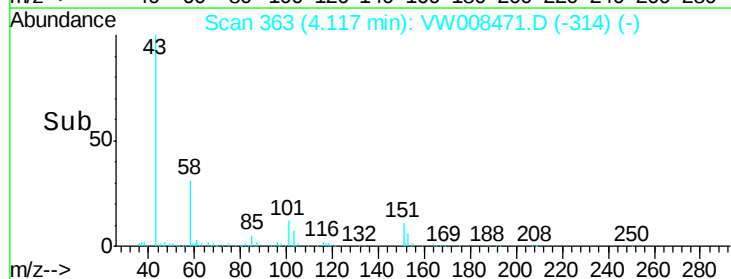
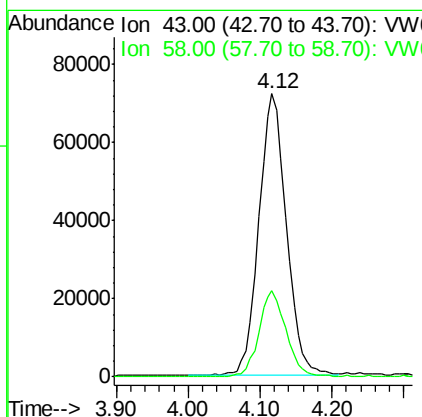
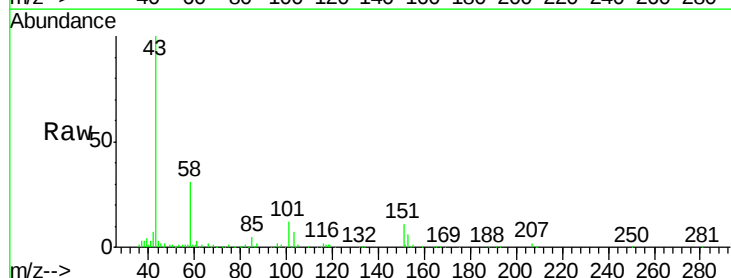
RT: 4.12 min Scan# 363

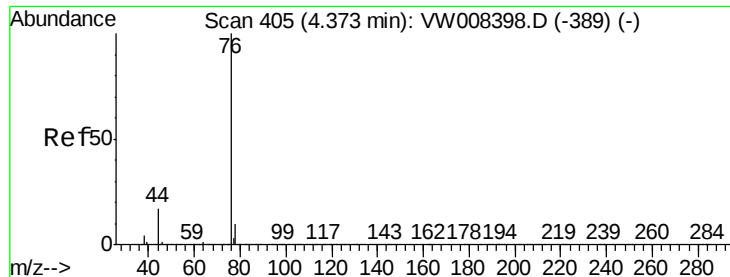
Delta R.T. 0.00 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

Tgt Ion:	43	Resp:	192502
Ion	Ratio	Lower	Upper
43	100		
58	30.6	22.6	34.0





#17

Carbon Disulfide

Concen: 47.076 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

Tot Ion: 76 Resp: 528094

Ion Ratio Lower Upper

76 100

78 8.8 7.7 11.5

Instrument :

MSVOA_W

ClientSampleId :

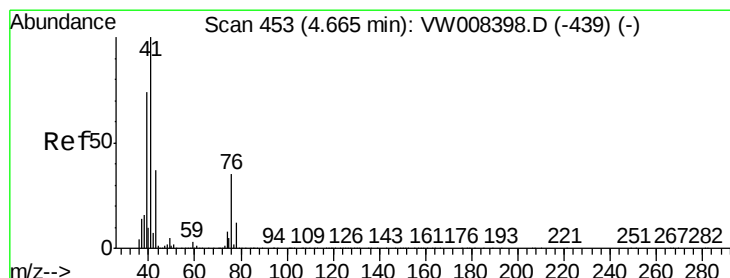
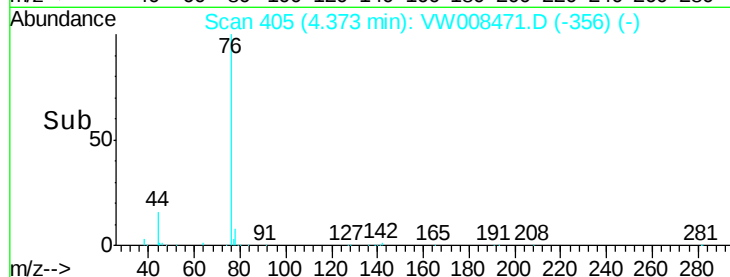
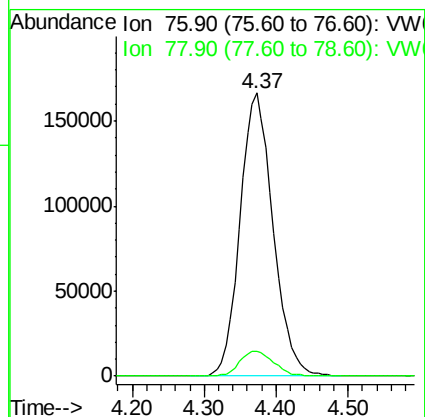
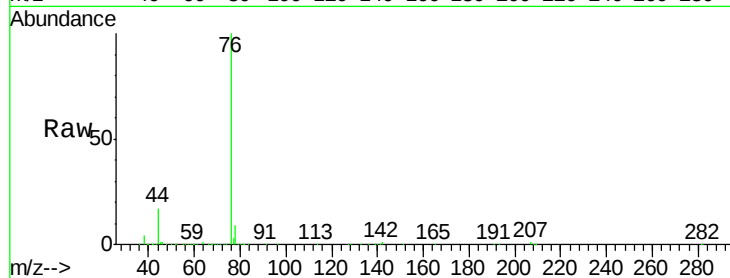
VSTDCCC050EC

Manual Integrations

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#18

Methyl Acetate

Concen: 50.677 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW008471.D

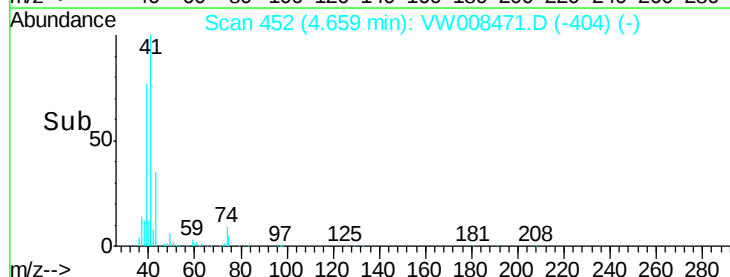
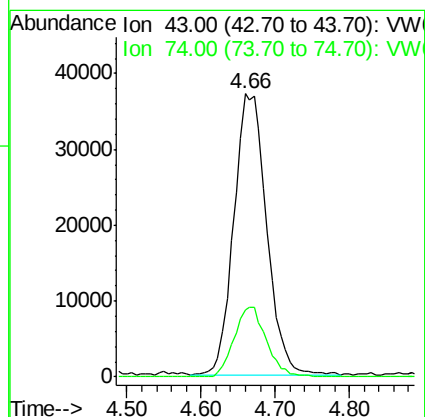
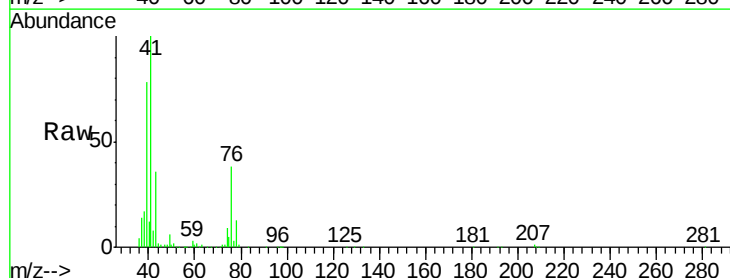
Acq: 30 Jan 2019 18:04

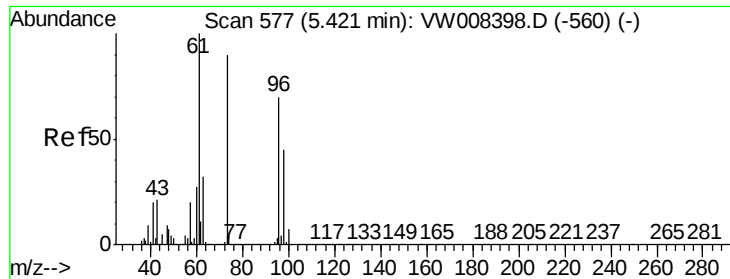
Tgt Ion: 43 Resp: 114426

Ion Ratio Lower Upper

43 100

74 24.4 17.5 26.3





#19

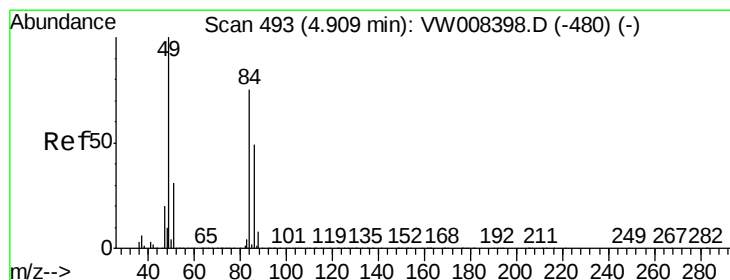
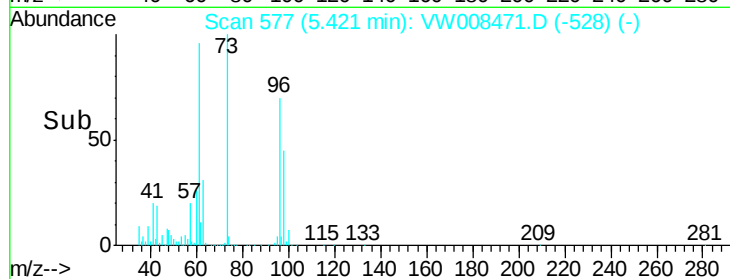
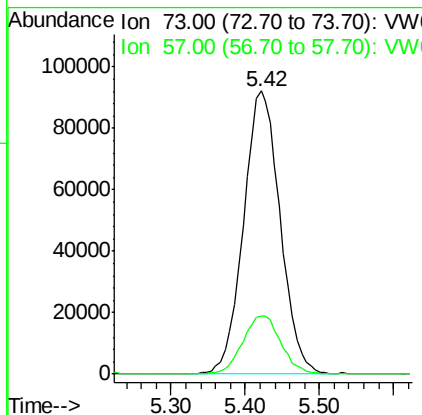
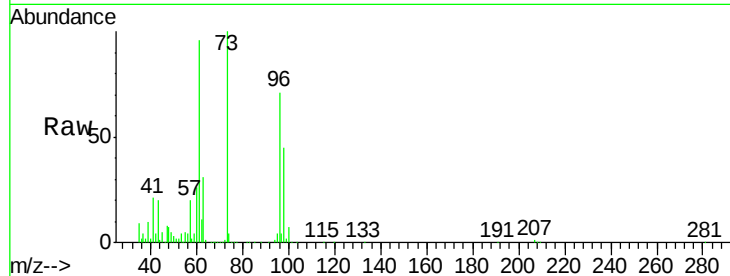
Methyl tert-butyl Ether
 Concen: 54.394 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW008471.D
 Acq: 30 Jan 2019 18:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.3	18.0	27.0

Manual Integrations
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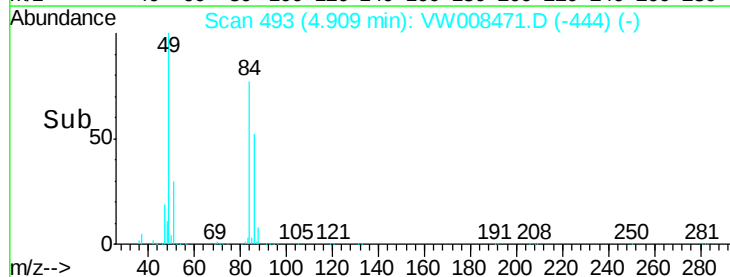
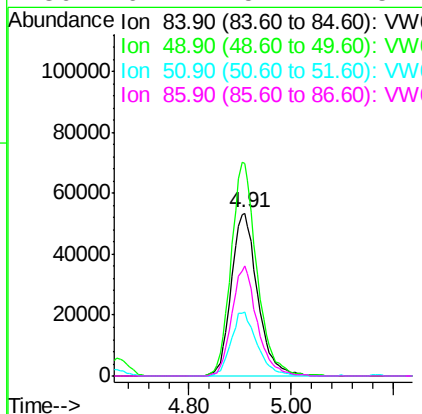
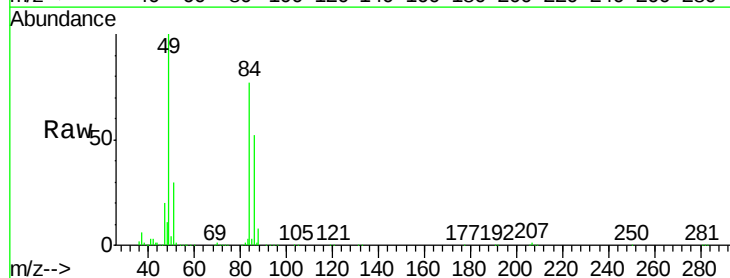
MMDadoda
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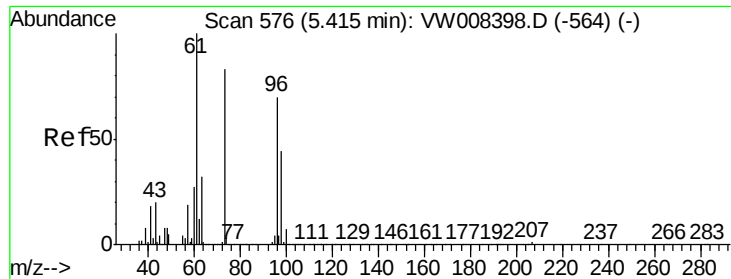


#20

Methylene Chloride
 Concen: 49.354 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW008471.D
 Acq: 30 Jan 2019 18:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.9	106.8	160.2
51	39.5	32.9	49.3
86	67.7	52.2	78.2





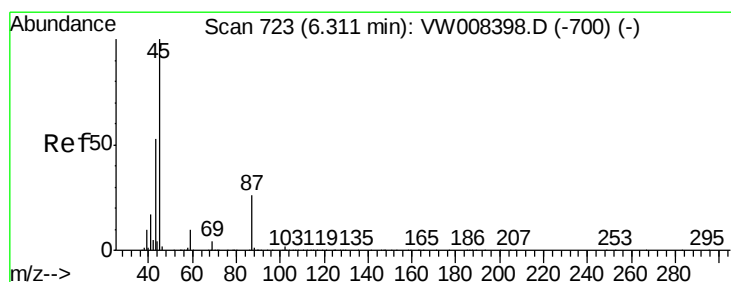
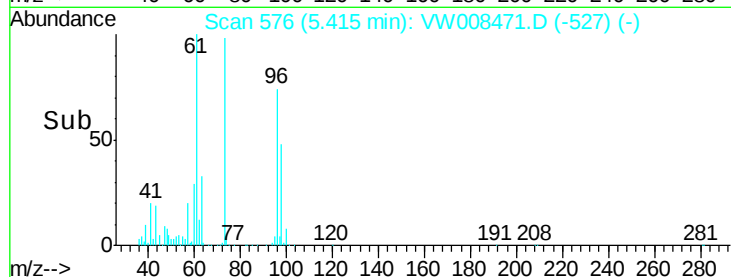
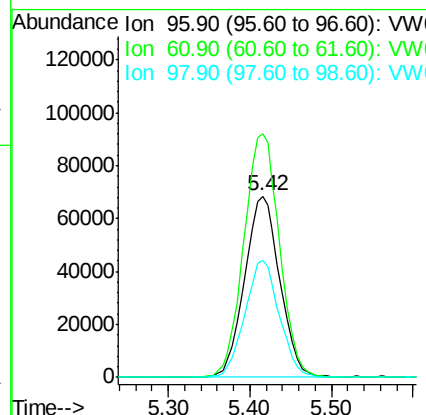
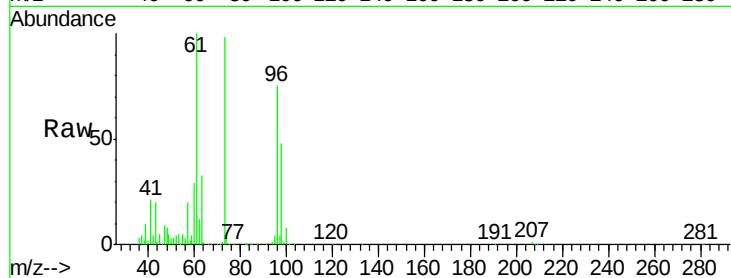
#21
trans-1,2-Dichloroethene
Concen: 51.551 ug/l
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW008471.D
Acq: 30 Jan 2019 18:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.4	114.4	171.6
98	64.4	50.6	75.8

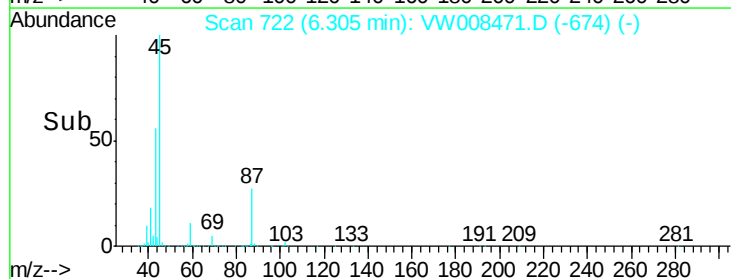
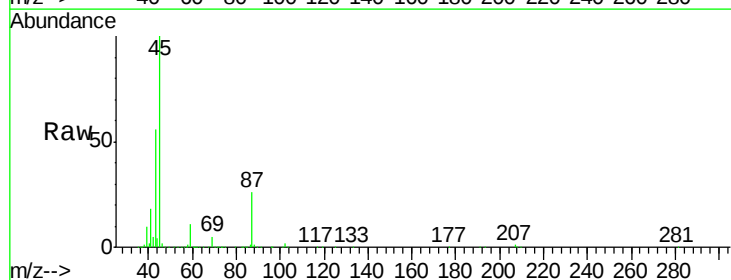
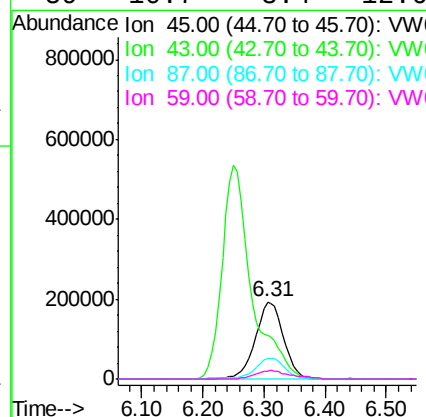
Manual Integrations
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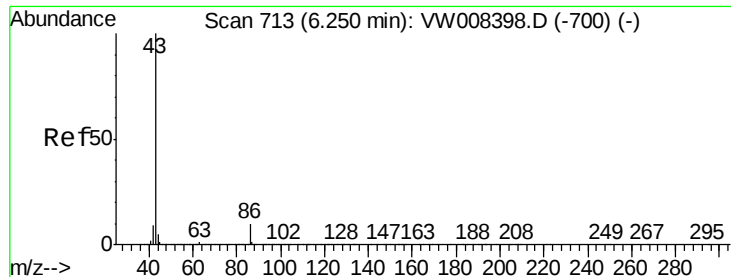
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#22
Diisopropyl ether
Concen: 48.966 ug/l
RT: 6.31 min Scan# 722
Delta R.T. -0.01 min
Lab File: VW008471.D
Acq: 30 Jan 2019 18:04

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.9	42.6	63.8
87	26.3	20.3	30.5
59	10.7	8.4	12.6





#23

Vinyl Acetate

Concen: 239.480 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1787461

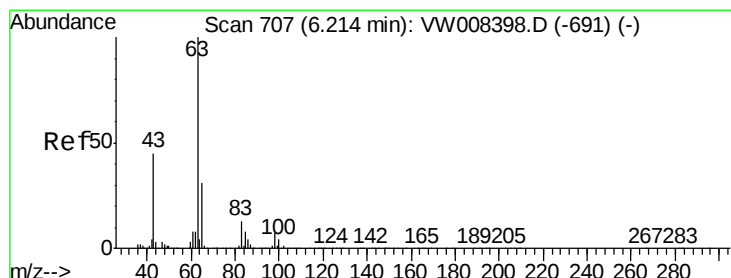
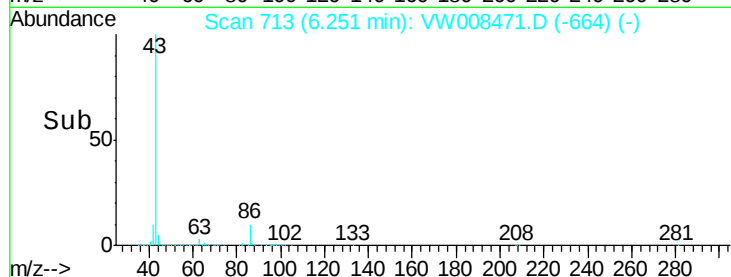
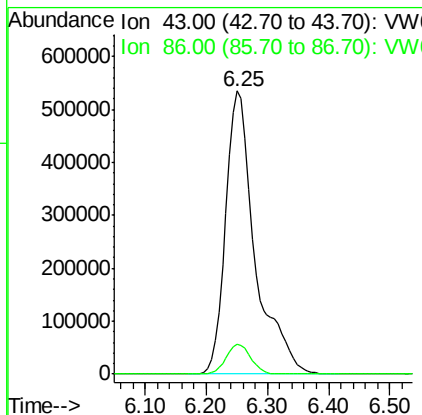
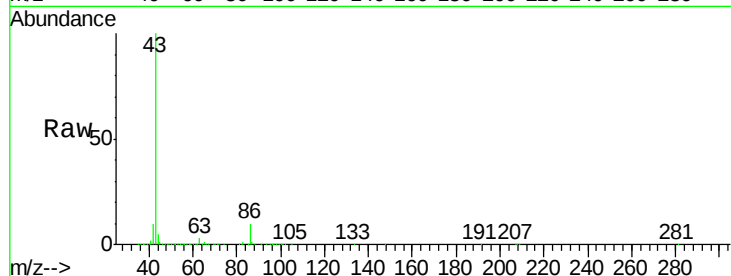
Ion Ratio Lower Upper

43 100

86 10.4 7.8 11.8

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 50.682 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

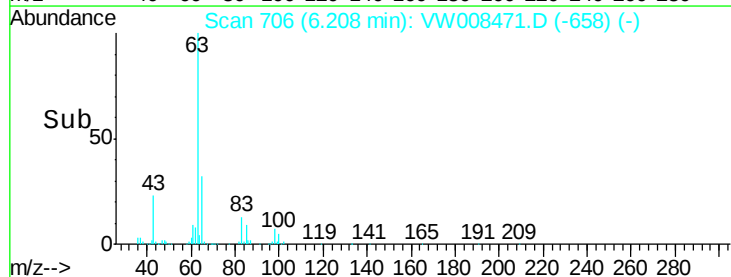
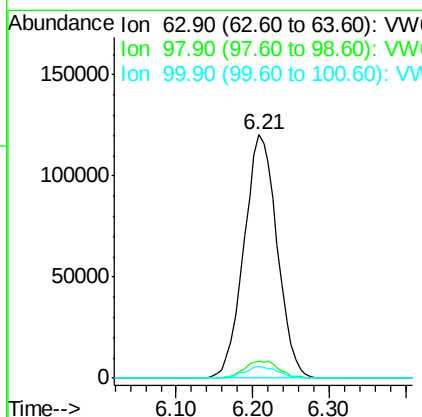
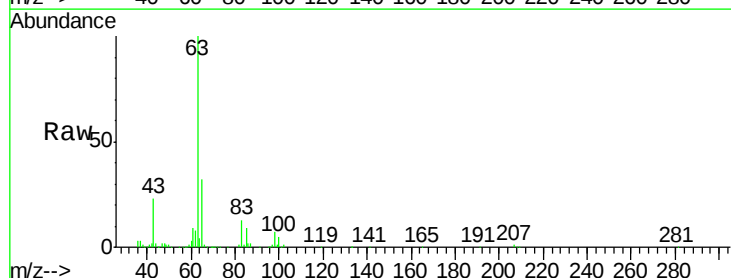
Tgt Ion: 63 Resp: 362631

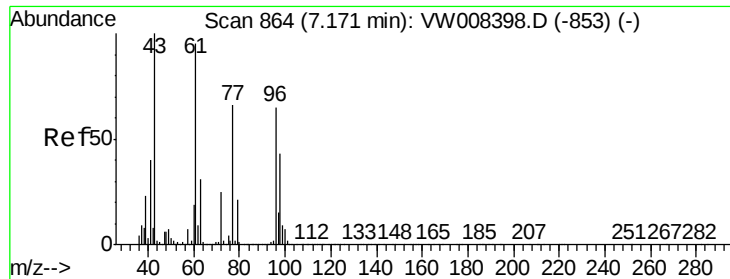
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

100 4.9 2.1 6.2





#25

2-Butanone

Concen: 236.914 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 278577

Ion Ratio Lower Upper

43 100

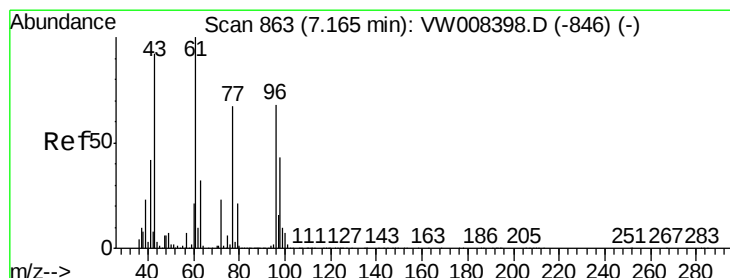
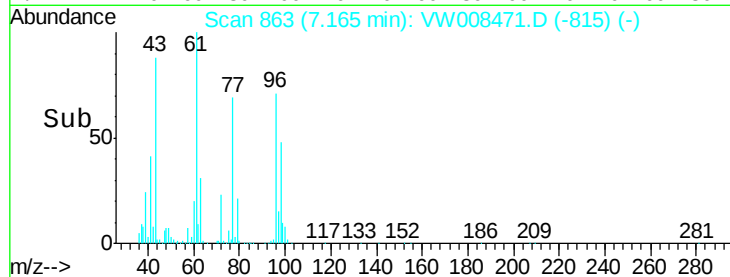
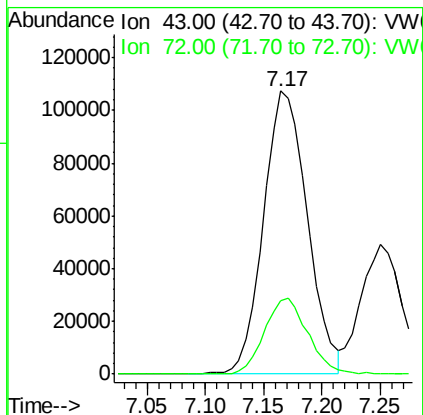
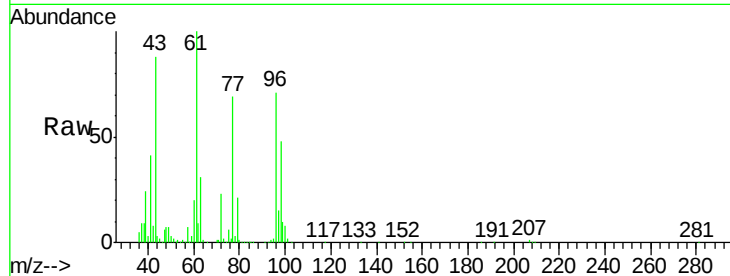
72 26.2 20.1 30.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.018 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW008471.D

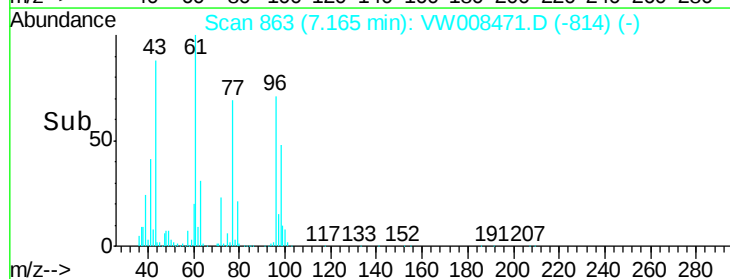
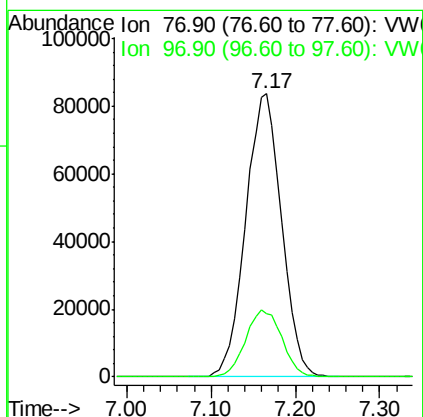
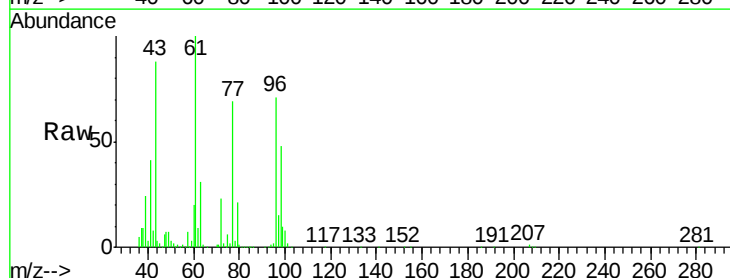
Acq: 30 Jan 2019 18:04

Tgt Ion: 77 Resp: 241907

Ion Ratio Lower Upper

77 100

97 23.8 11.5 34.5





#27

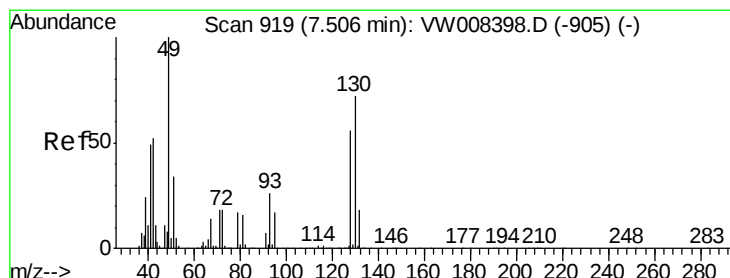
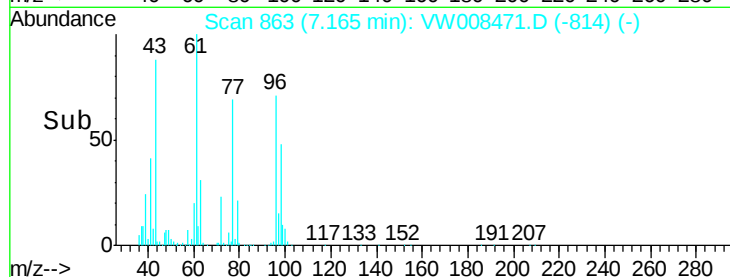
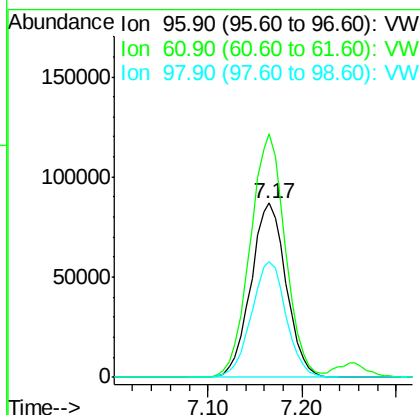
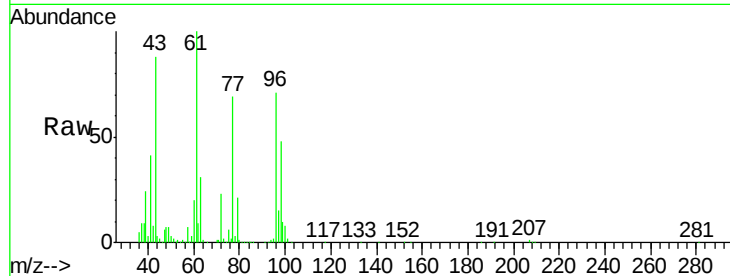
cis-1,2-Dichloroethene
 Concen: 53.082 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW008471.D
 Acq: 30 Jan 2019 18:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.8	0.0	292.8
98	65.1	0.0	129.2

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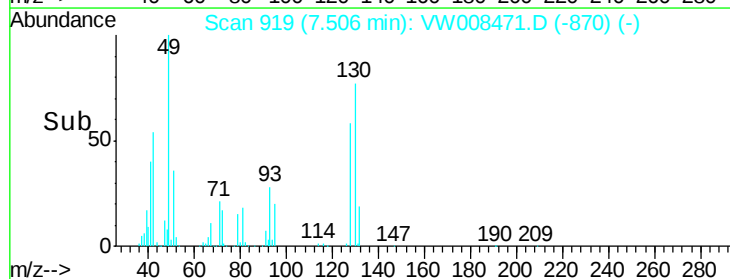
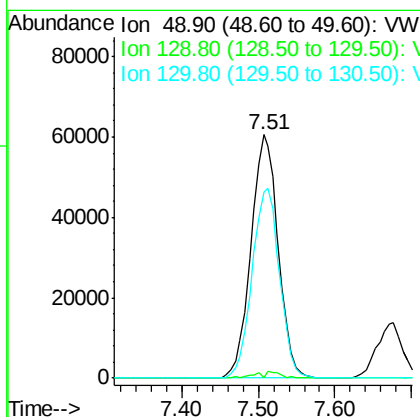
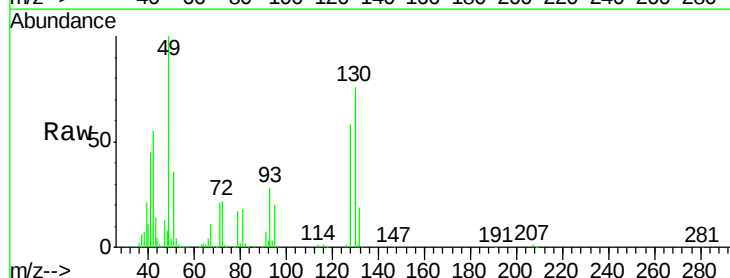
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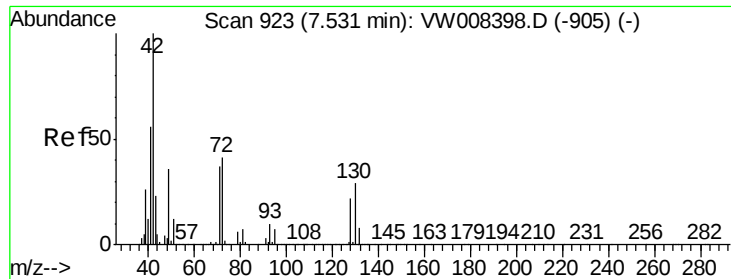


#28

Bromochloromethane
 Concen: 45.604 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW008471.D
 Acq: 30 Jan 2019 18:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.6
130	78.8	58.6	87.8





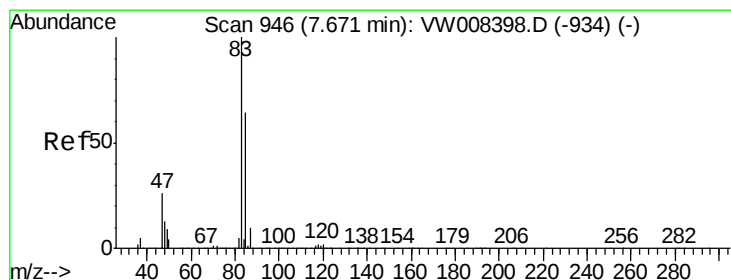
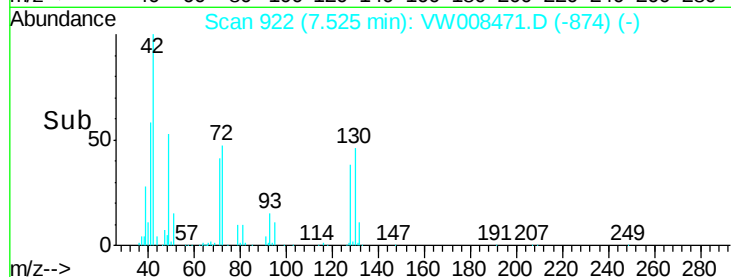
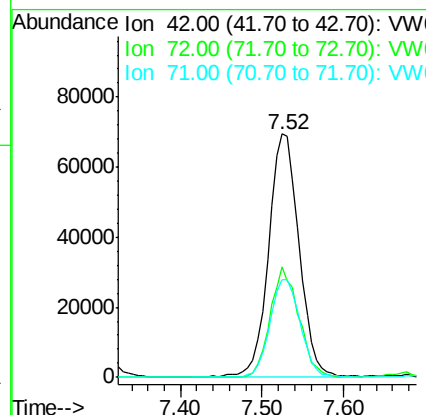
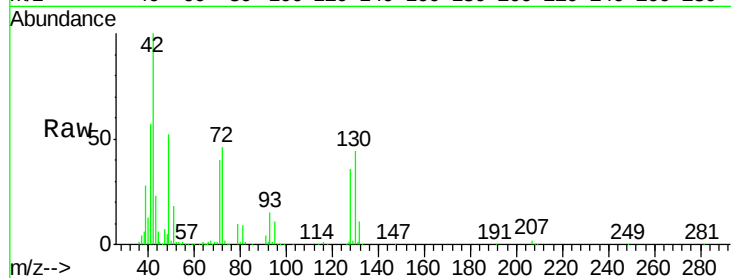
#29
Tetrahydrofuran
Concen: 240.896 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008471.D
Acq: 30 Jan 2019 18:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	31.9	47.9
71	40.4	29.9	44.9

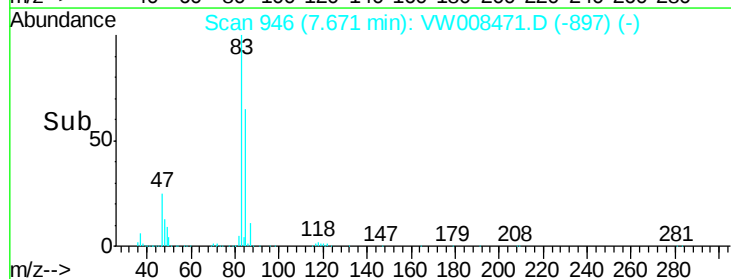
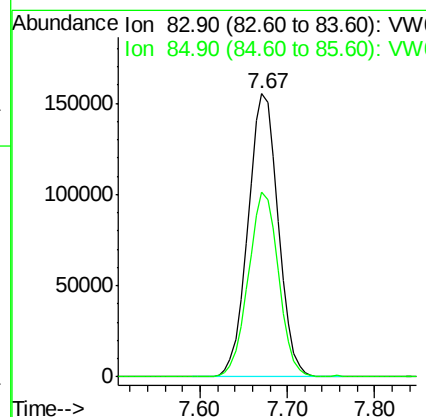
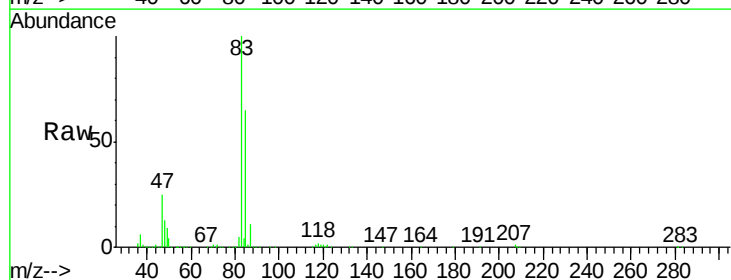
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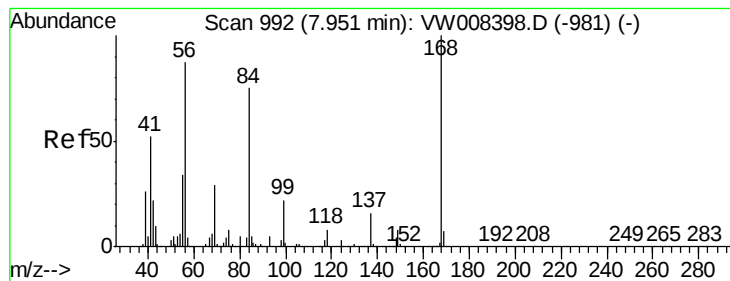
MMDadoda
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#30
Chloroform
Concen: 52.712 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008471.D
Acq: 30 Jan 2019 18:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.9	76.3





#31

Cyclohexane

Concen: 42.696 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

Instrument :

MSVOA_W

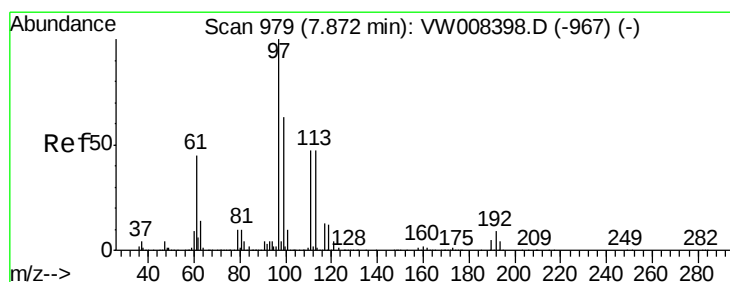
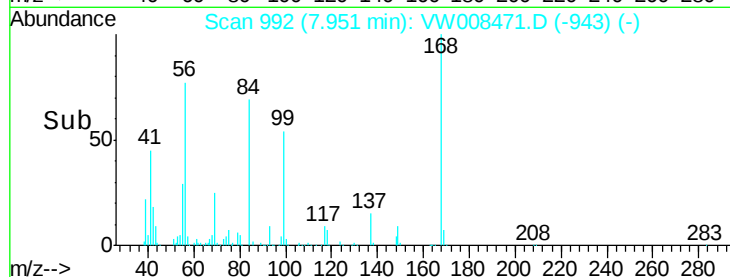
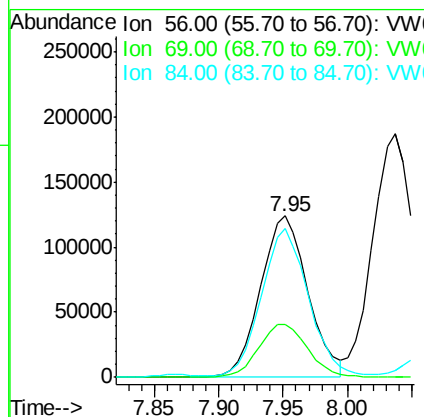
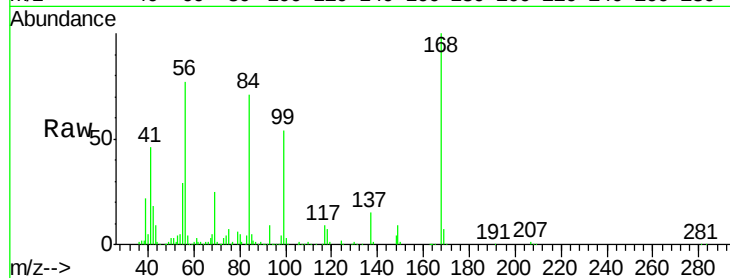
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	315882
Ion	Ratio	Lower	Upper
56	100		
69	33.2	26.4	39.6
84	91.1	69.1	103.7

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#32

1,1,1-Trichloroethane

Concen: 51.986 ug/l

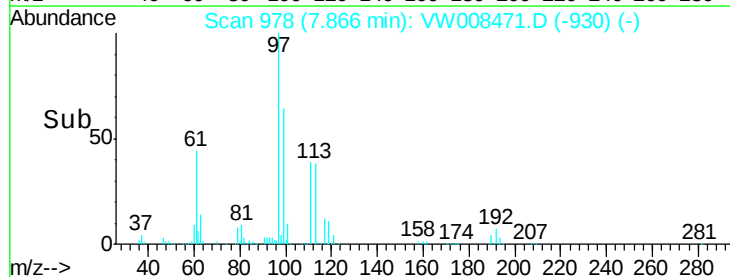
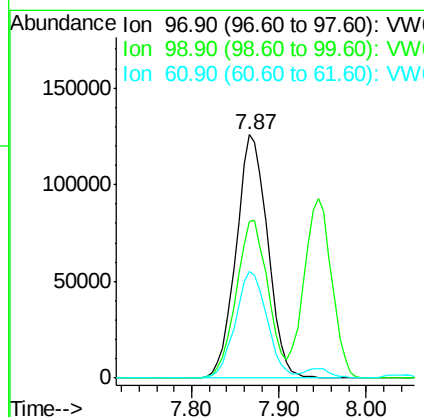
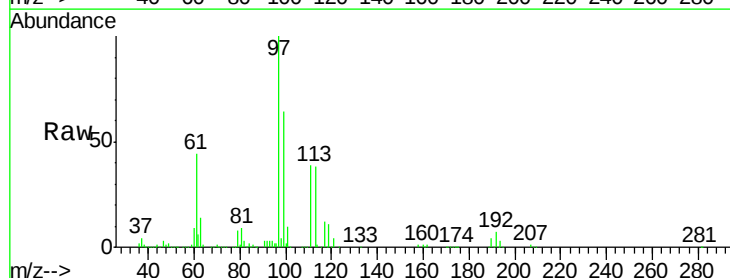
RT: 7.87 min Scan# 978

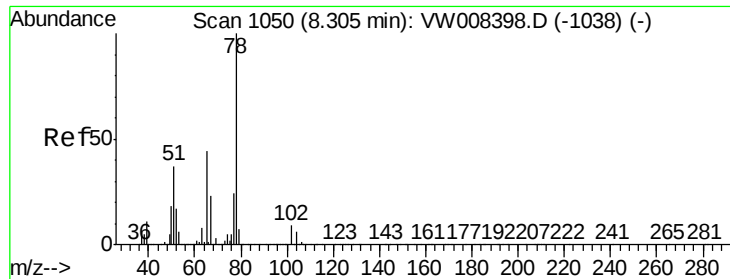
Delta R.T. -0.01 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

Tgt Ion:	97	Resp:	315999
Ion	Ratio	Lower	Upper
97	100		
99	65.7	51.3	76.9
61	44.0	36.2	54.4





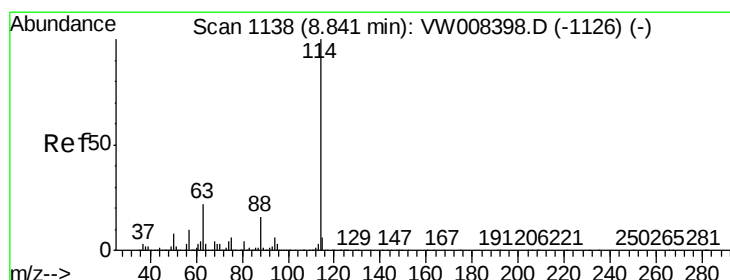
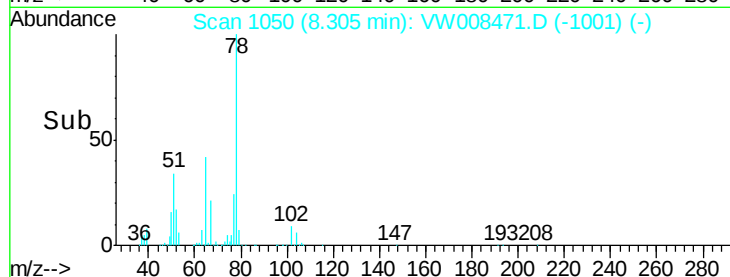
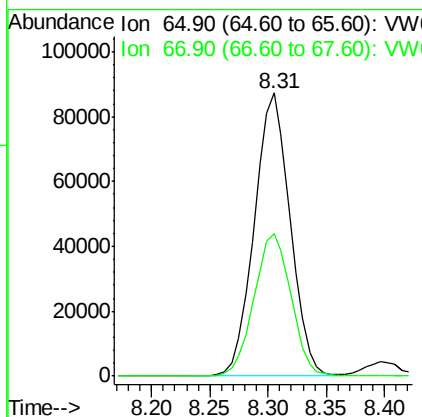
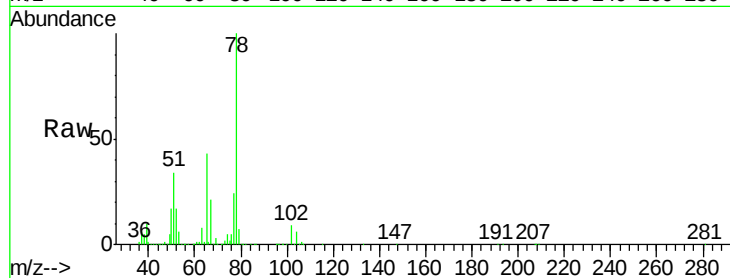
#33
 1,2-Dichloroethane-d4
 Concen: 49.321 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008471.D
 Acq: 30 Jan 2019 18:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	185928		
67	52.0	0.0	0.0	104.0

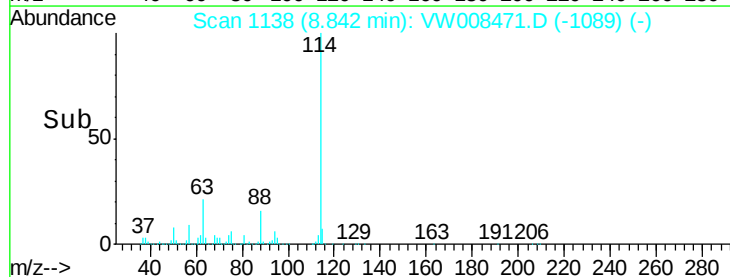
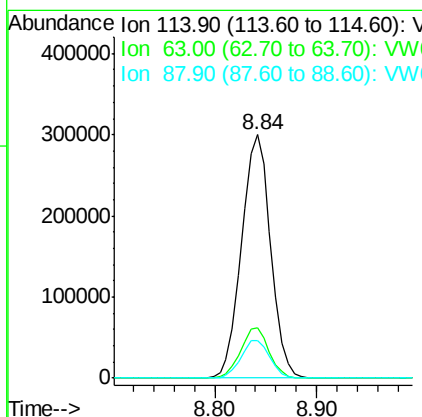
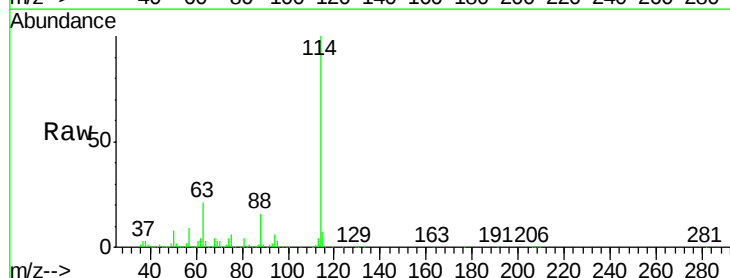
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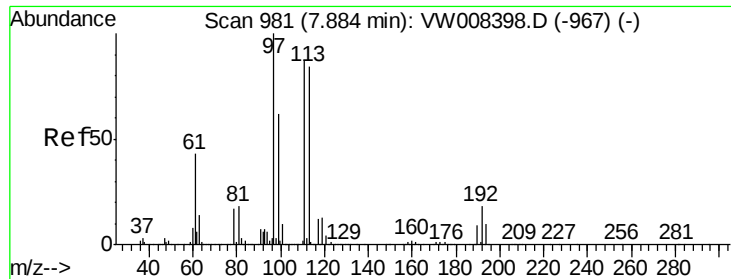
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008471.D
 Acq: 30 Jan 2019 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	592141		
63	20.5	0.0	0.0	43.6
88	15.6	0.0	0.0	31.8





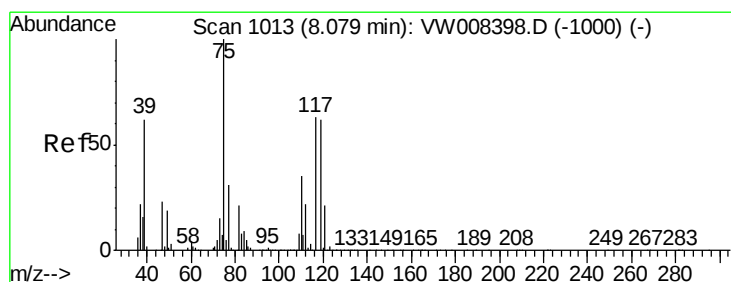
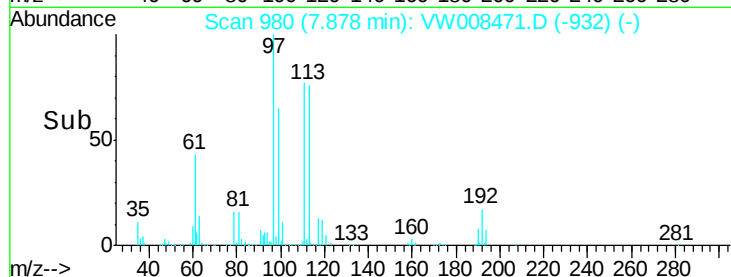
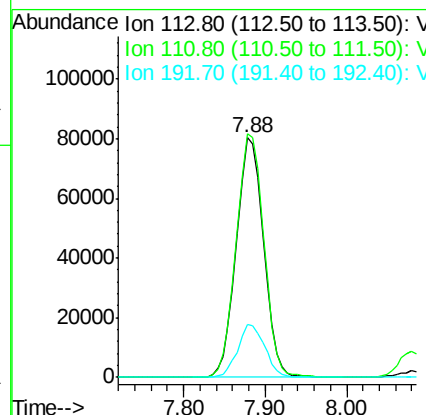
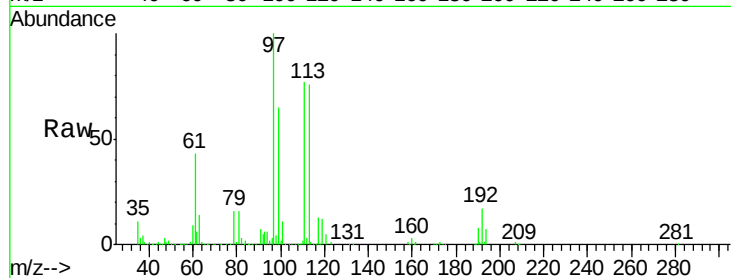
#35
 Dibromofluoromethane
 Concen: 53.583 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008471.D
 Acq: 30 Jan 2019 18:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.0	121.4
192	21.8	16.8	25.2

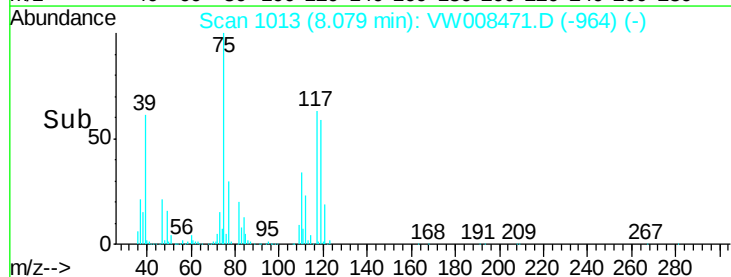
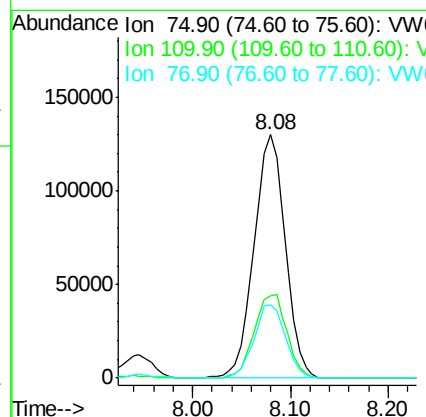
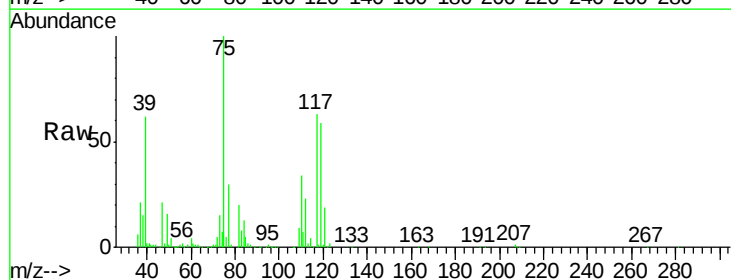
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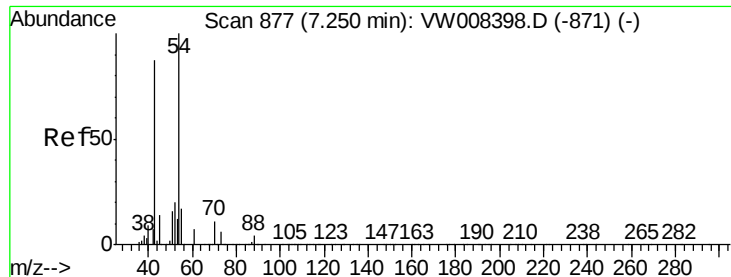
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#36
 1,1-Dichloropropene
 Concen: 51.877 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW008471.D
 Acq: 30 Jan 2019 18:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	17.3	52.0
77	30.8	24.7	37.1





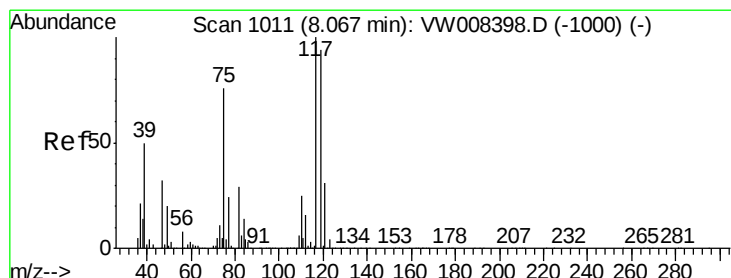
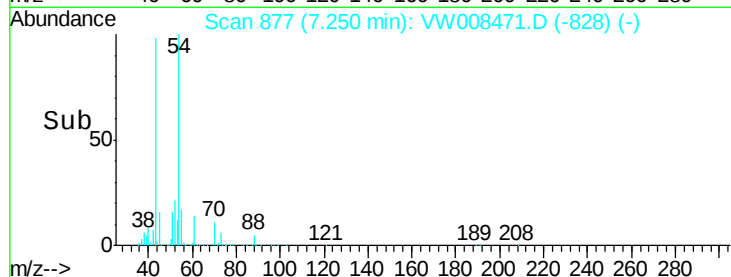
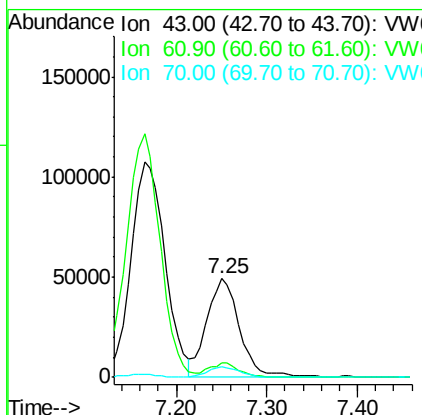
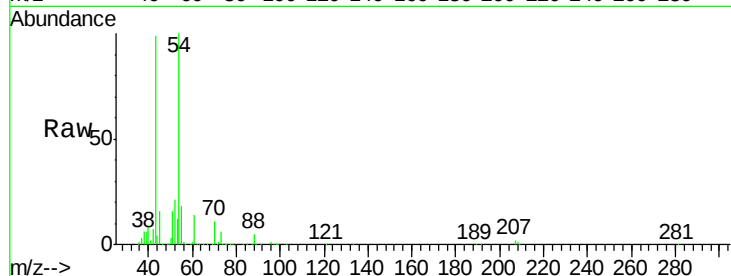
#37
Ethyl Acetate
Concen: 49.739 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008471.D
Acq: 30 Jan 2019 18:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.1	15.1
70	10.9	7.8	11.6

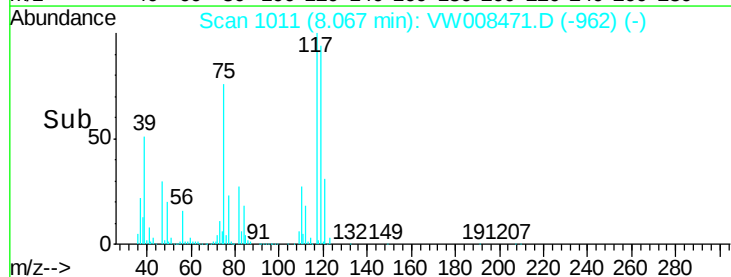
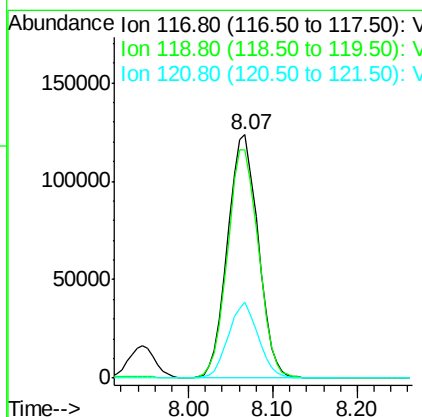
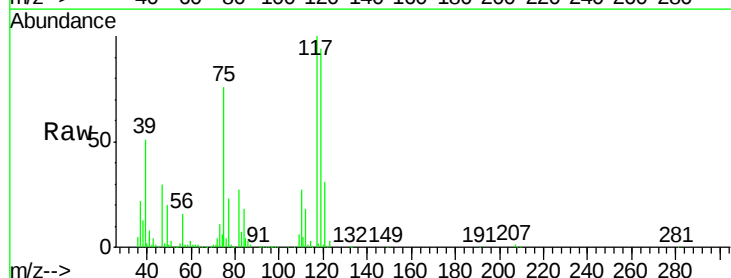
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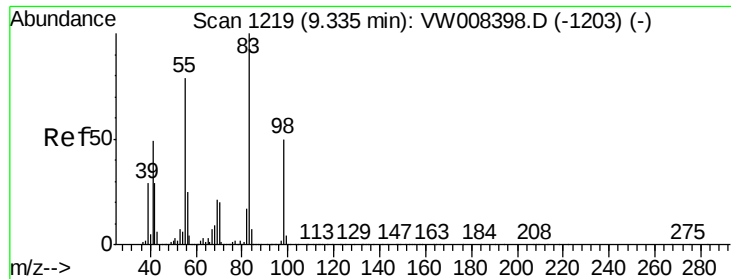
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#38
Carbon Tetrachloride
Concen: 54.417 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008471.D
Acq: 30 Jan 2019 18:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	75.0	112.4
121	31.3	24.9	37.3





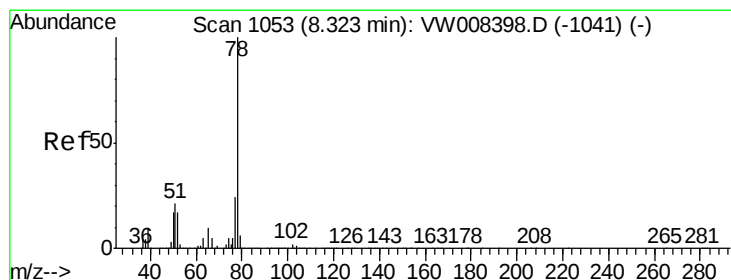
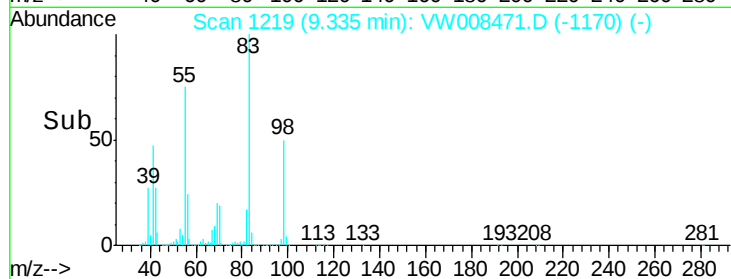
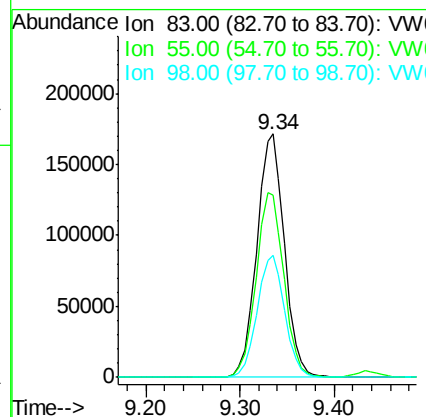
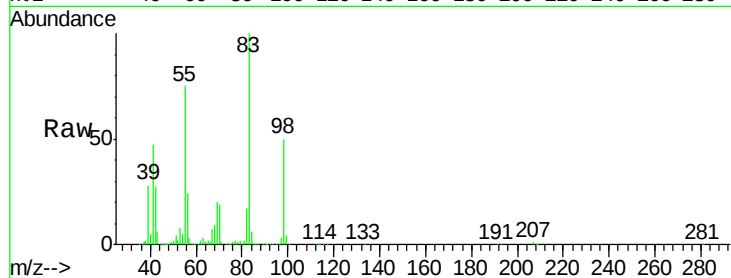
#39
Methvlcvclohexane
Concen: 47.929 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008471.D
Acq: 30 Jan 2019 18:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.6	63.3	94.9
98	50.1	39.7	59.5

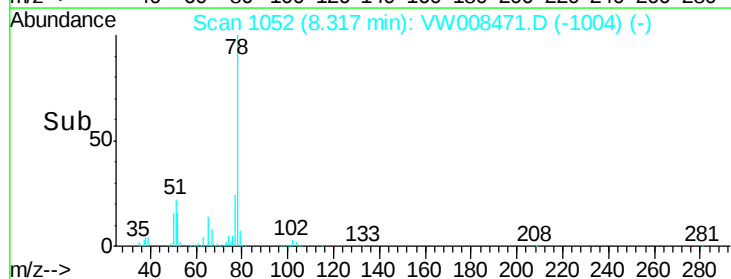
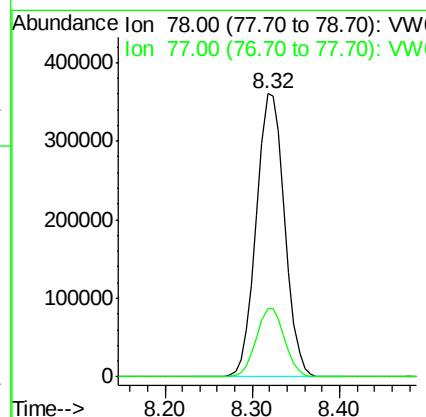
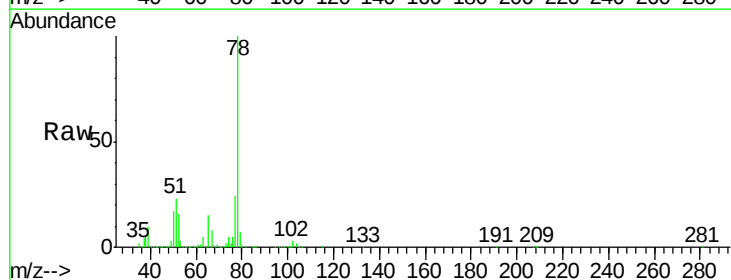
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#40
Benzene
Concen: 52.181 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008471.D
Acq: 30 Jan 2019 18:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.6





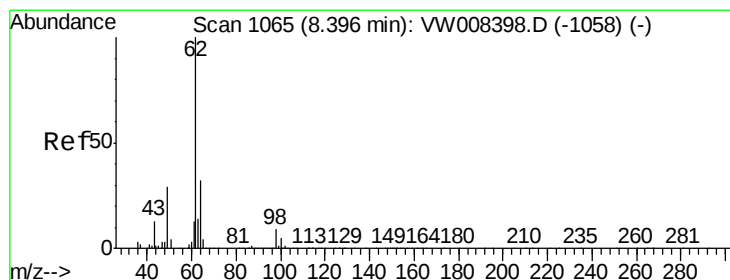
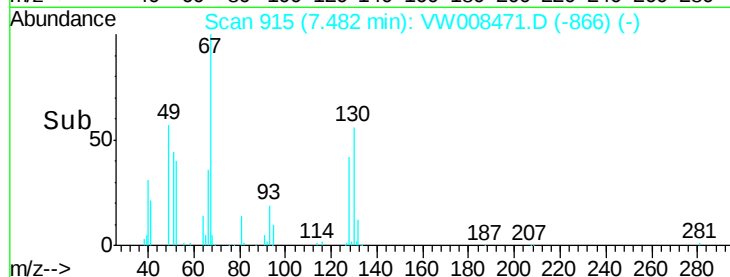
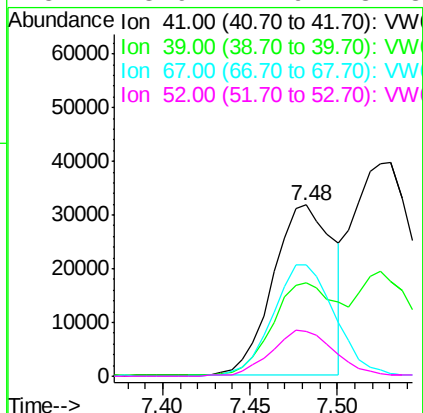
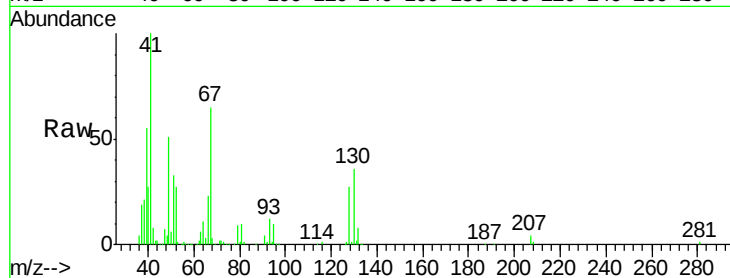
#41
Methacrylonitrile
Concen: 52.300 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW008471.D
Acq: 30 Jan 2019 18:04

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.1	43.4	65.0	
67	67.8	54.2	81.2	
52	28.9	22.9	34.3	

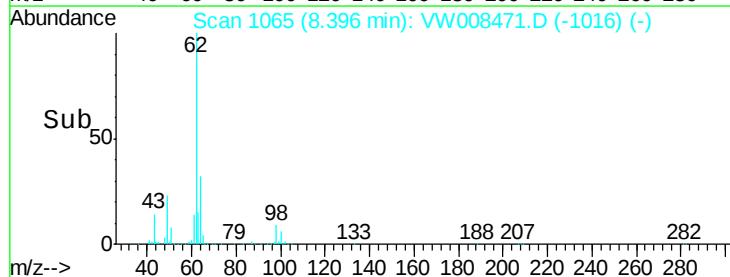
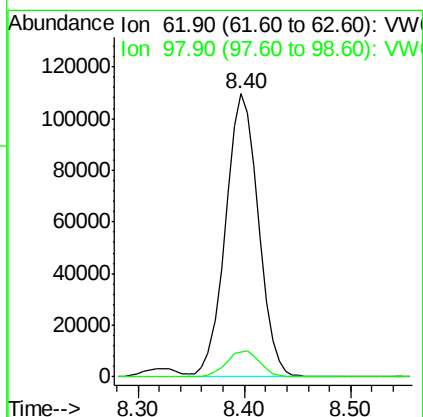
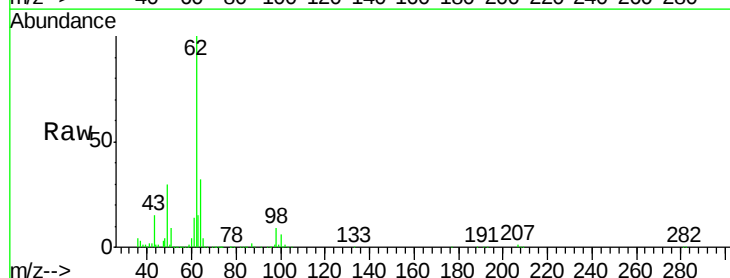
Manual Integrations
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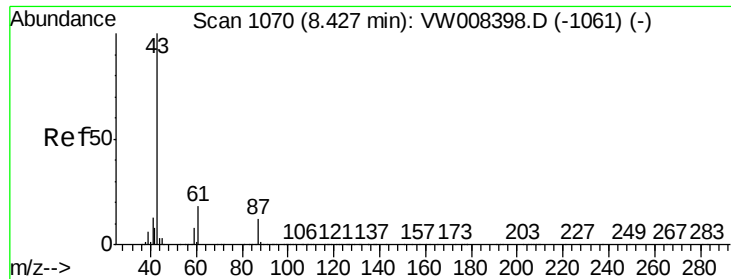
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#42
1,2-Dichloroethane
Concen: 52.677 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008471.D
Acq: 30 Jan 2019 18:04

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	0.0	18.6	





#43

Isopropyl Acetate

Concen: 49.491 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

Instrument :

MSVOA_W

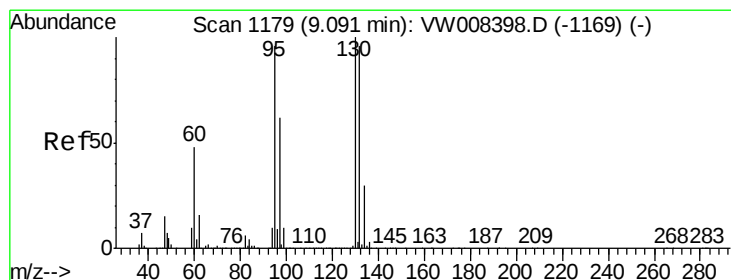
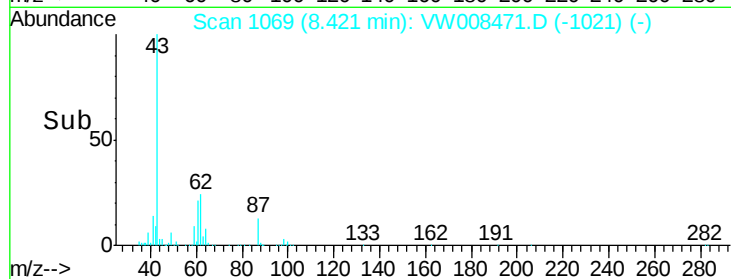
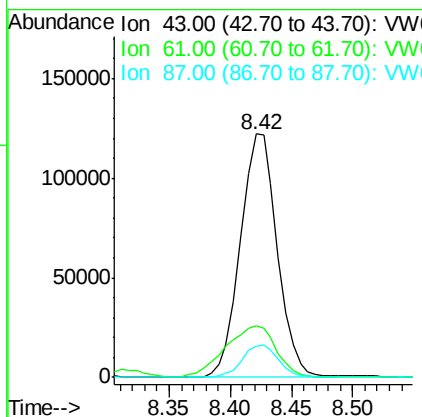
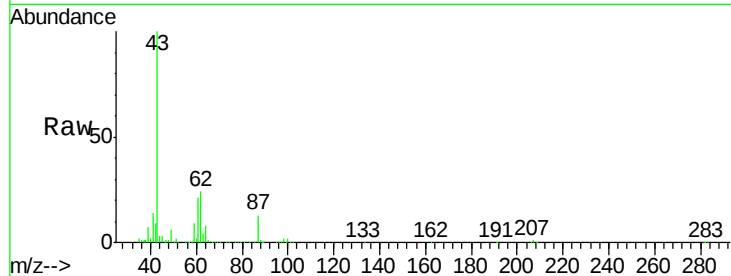
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	254447
Ion Ratio		Lower	Upper
43	100		
61	29.3	22.0	33.0
87	13.1	9.3	13.9

Manual Integrations
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2/1/2019 10:47:15 AM



#44

Trichloroethene

Concen: 54.826 ug/l

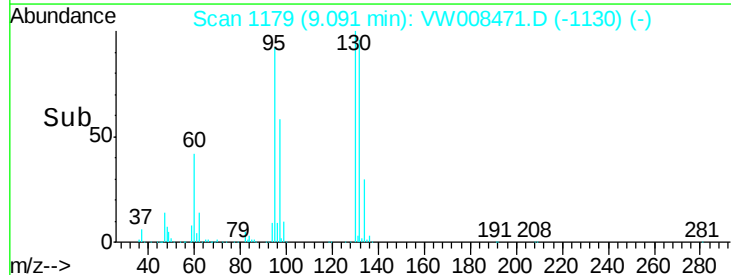
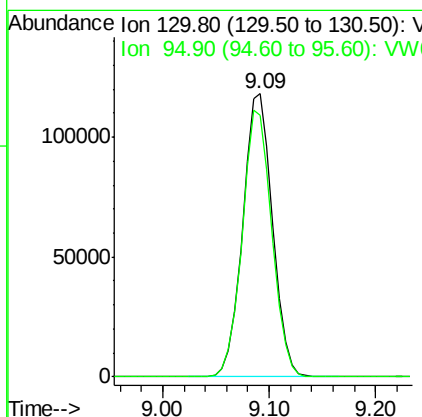
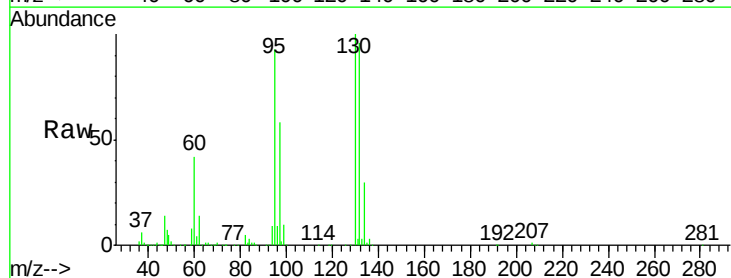
RT: 9.09 min Scan# 1179

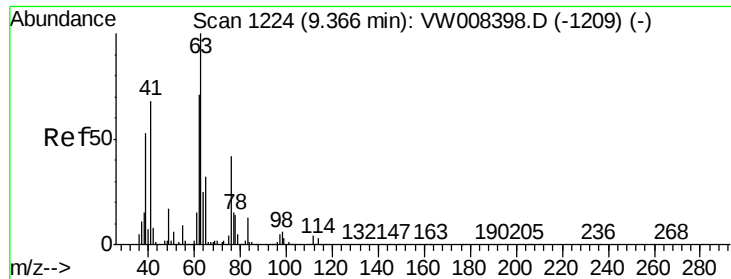
Delta R.T. 0.00 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

Tgt Ion:	130	Resp:	231403
Ion Ratio		Lower	Upper
130	100		
95	92.5	0.0	191.6





#45

1,2-Dichloropropane

Concen: 52.417 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 202852

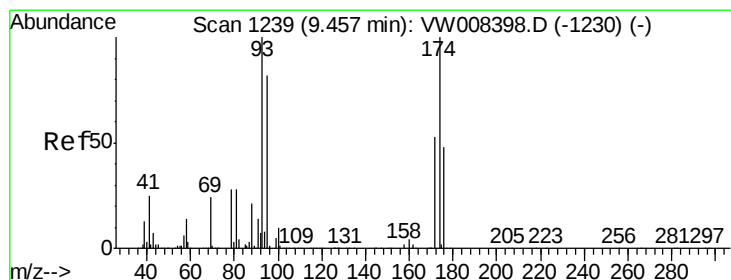
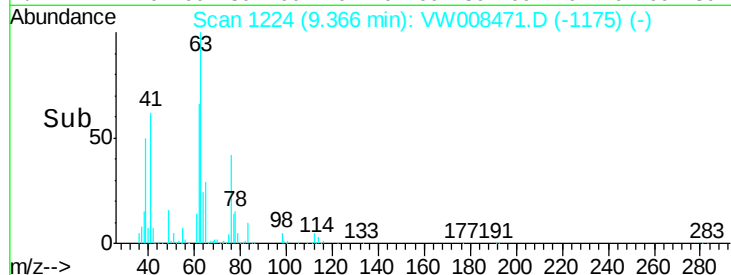
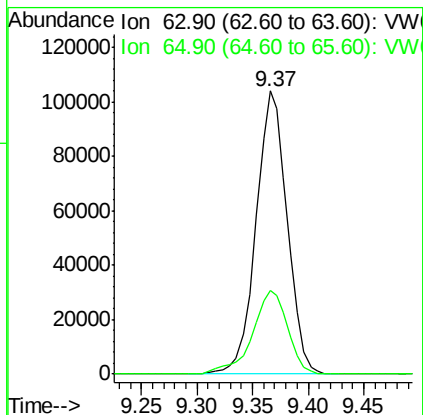
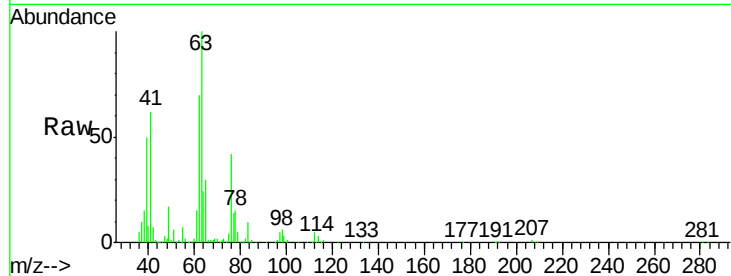
Ion Ratio Lower Upper

63 100

65 29.7 25.2 37.8

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#46

Dibromomethane

Concen: 53.662 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

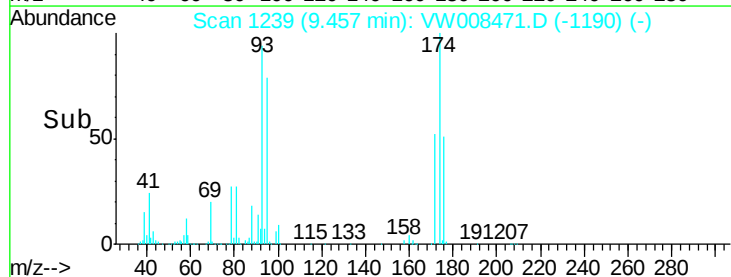
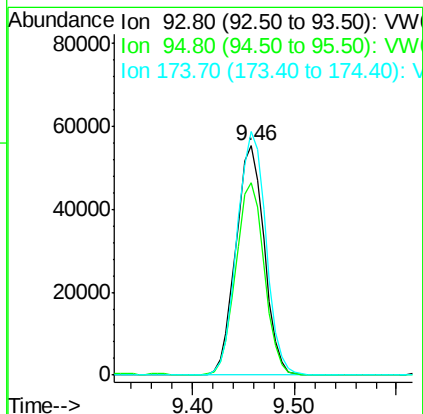
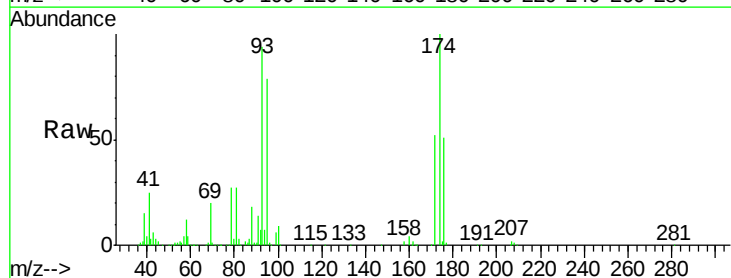
Tgt Ion: 93 Resp: 106813

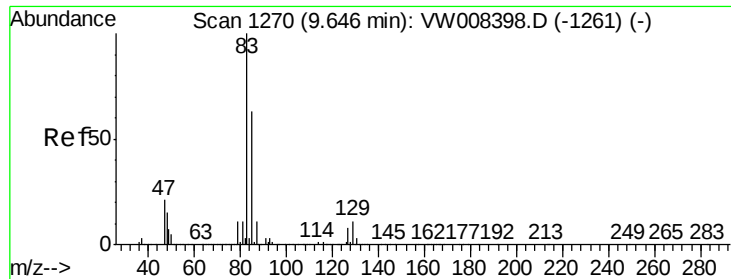
Ion Ratio Lower Upper

93 100

95 84.0 65.9 98.9

174 107.8 81.0 121.6





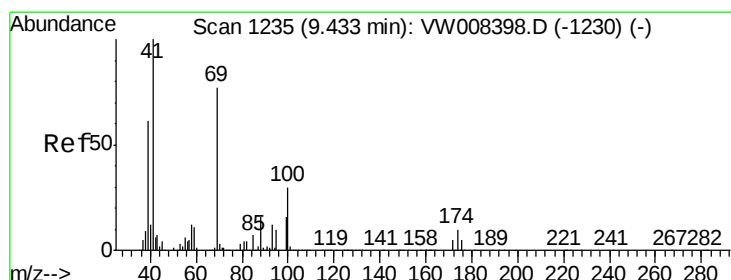
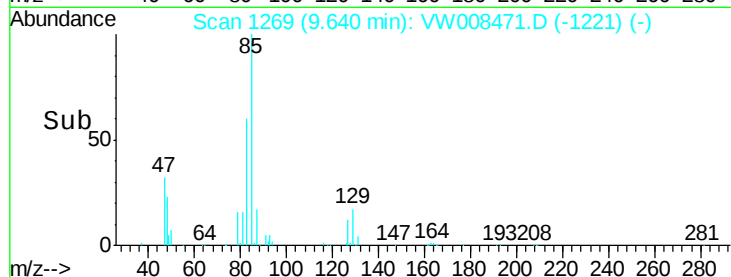
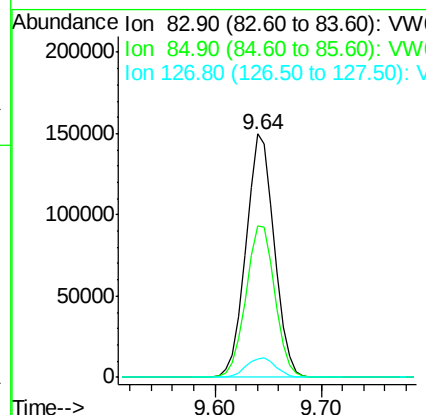
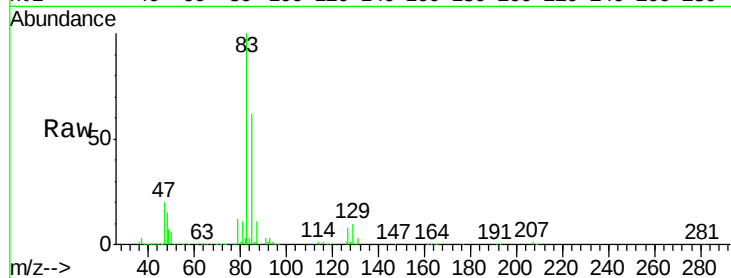
#47
Bromodichloromethane
Concen: 53.070 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW008471.D
Acq: 30 Jan 2019 18:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	279404		
85	62.2	50.8	76.2	
127	7.7	6.8	10.2	

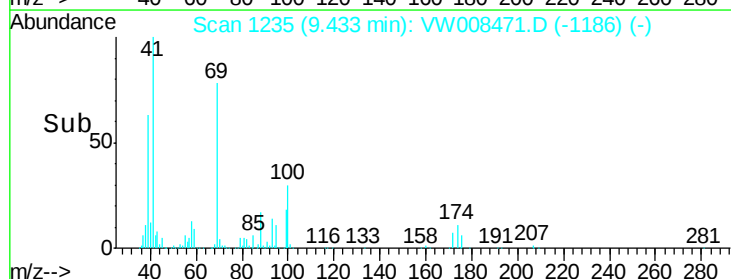
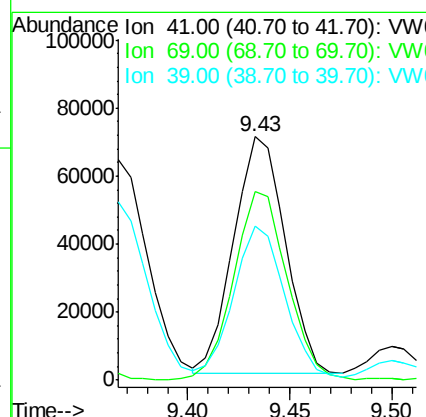
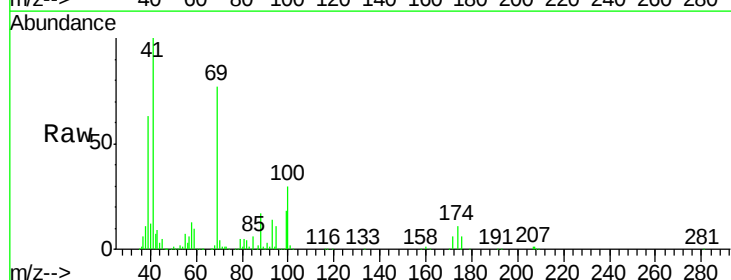
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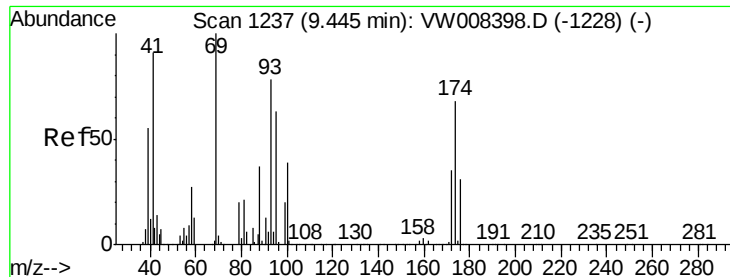
MMDadoda
2/1/2019 10:47:15 AM



#48
Methyl methacrylate
Concen: 48.224 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW008471.D
Acq: 30 Jan 2019 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	121229		
69	83.0	64.8	97.2	
39	65.8	49.1	73.7	





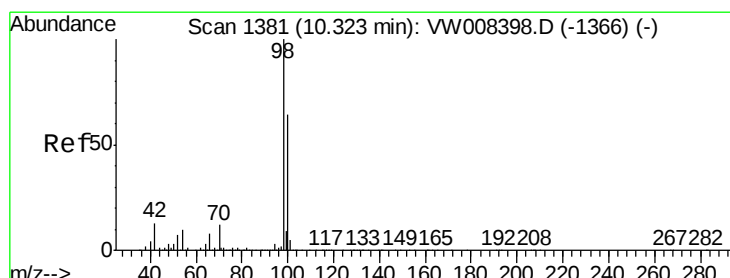
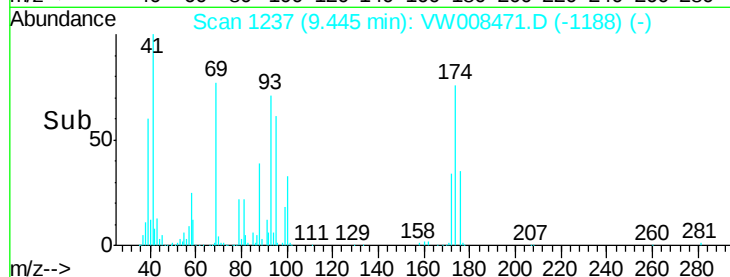
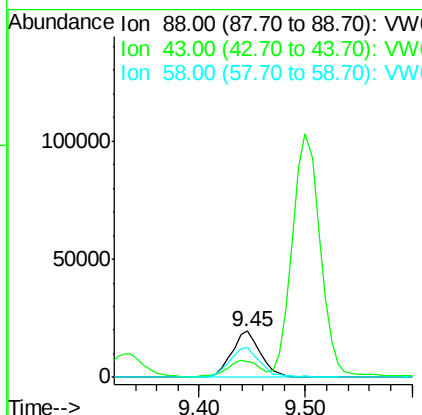
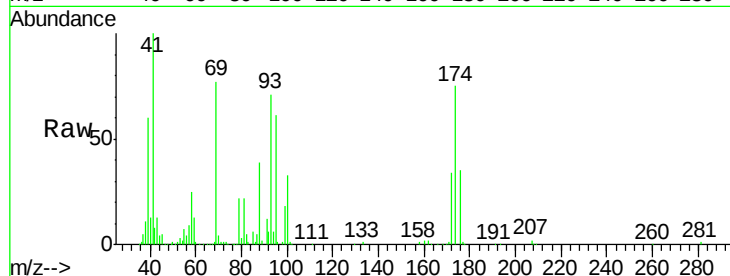
#49
1,4-Dioxane
Concen: 1110.588 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008471.D
Acq: 30 Jan 2019 18:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	36.1	29.0	43.4	
58	68.3	56.4	84.6	

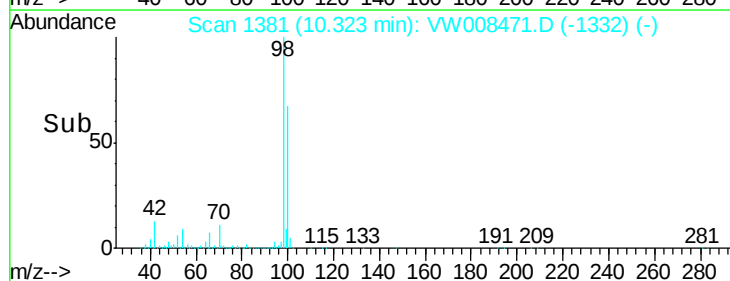
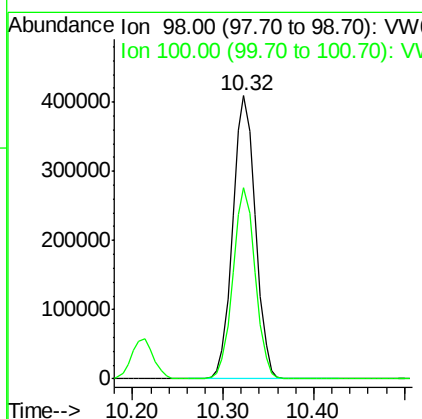
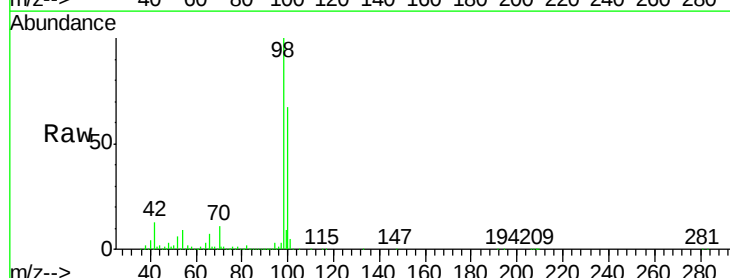
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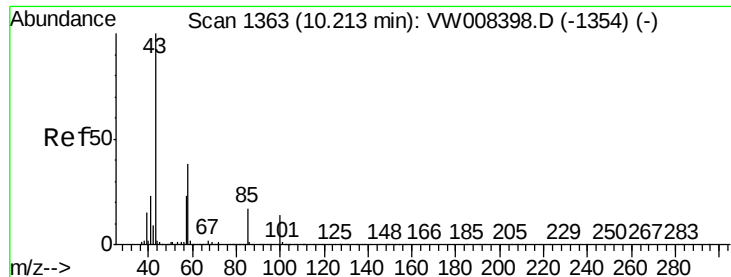
MMDadoda
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#50
Toluene-d8
Concen: 51.579 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008471.D
Acq: 30 Jan 2019 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	66.2	52.6	78.8	





#51

4-Methyl-2-Pentanone

Concen: 247.833 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 629480

Ion Ratio Lower Upper

43 100

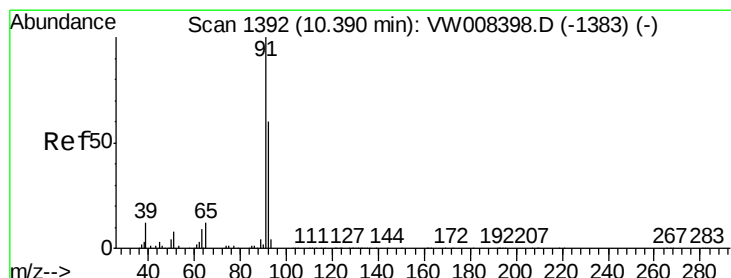
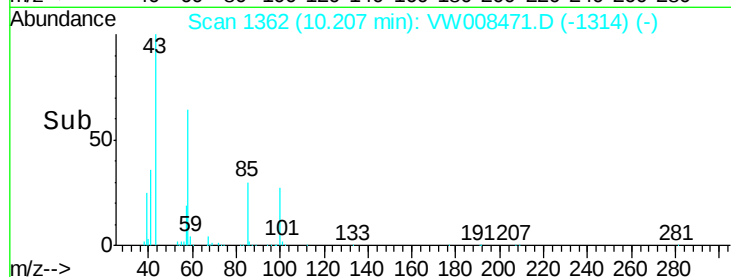
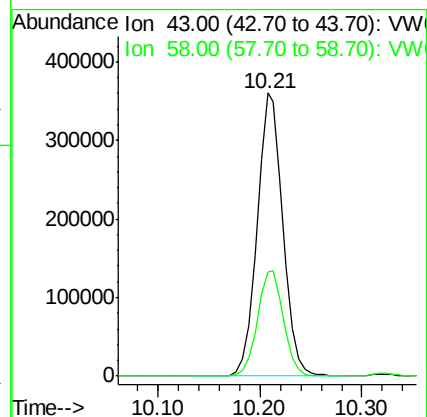
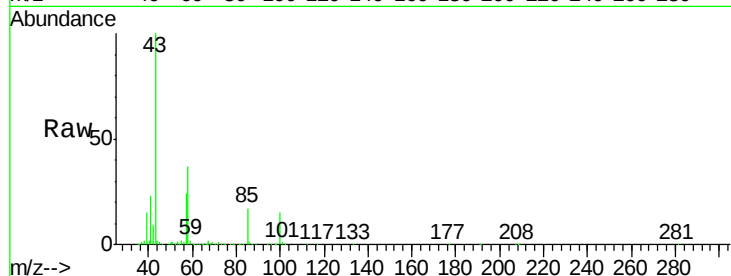
58 38.0 29.7 44.5

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#52

Toluene

Concen: 51.217 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008471.D

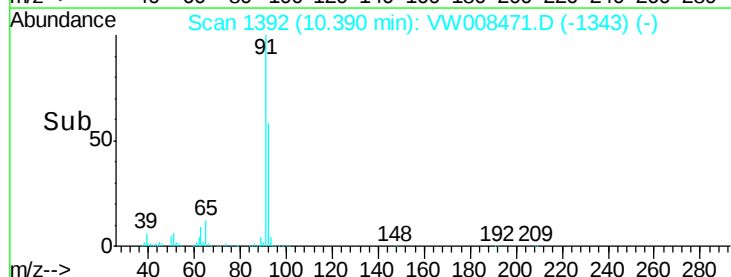
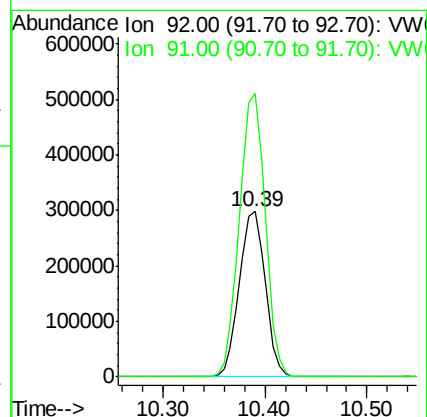
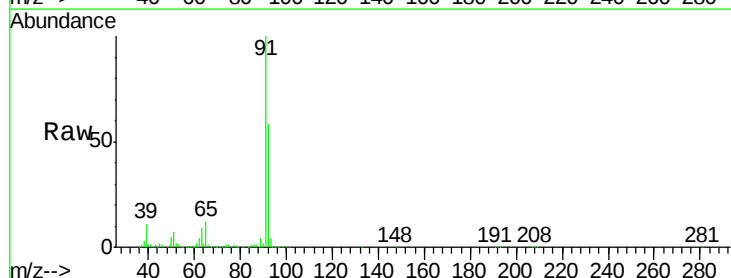
Acq: 30 Jan 2019 18:04

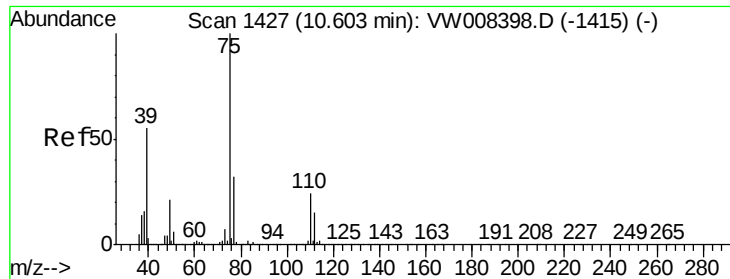
Tgt Ion: 92 Resp: 524755

Ion Ratio Lower Upper

92 100

91 170.4 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 50.786 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 284513

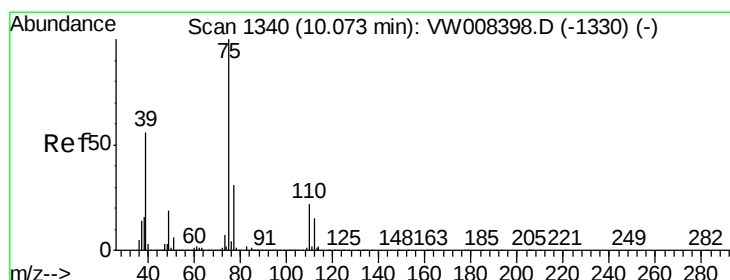
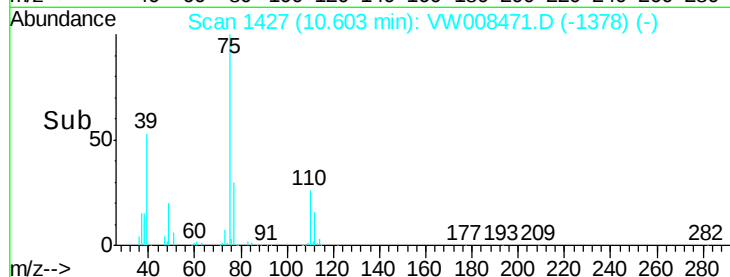
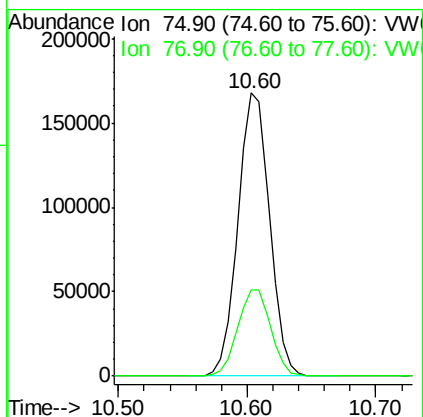
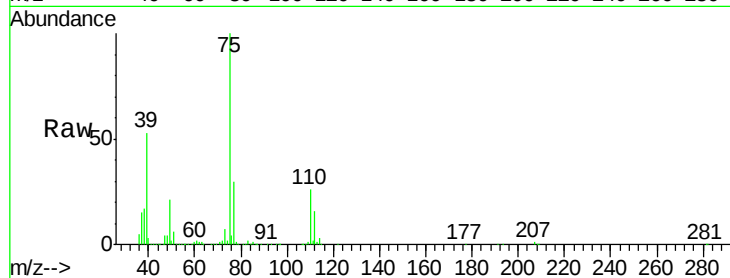
Ion Ratio Lower Upper

75 100

77 30.3 25.3 37.9

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 51.928 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

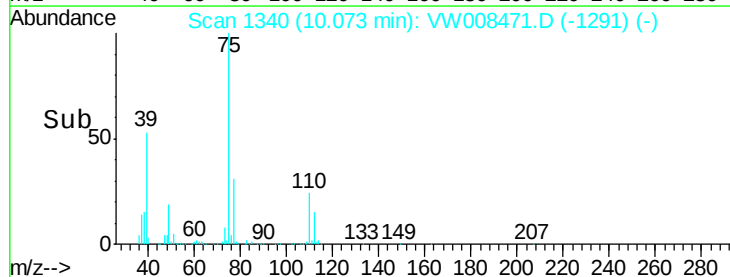
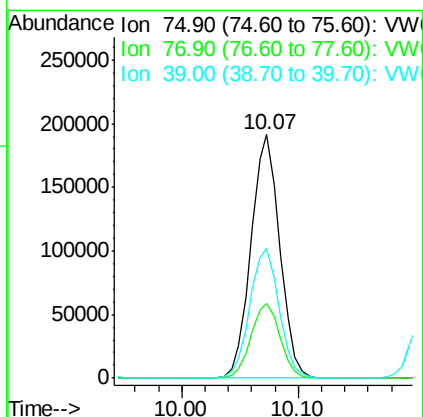
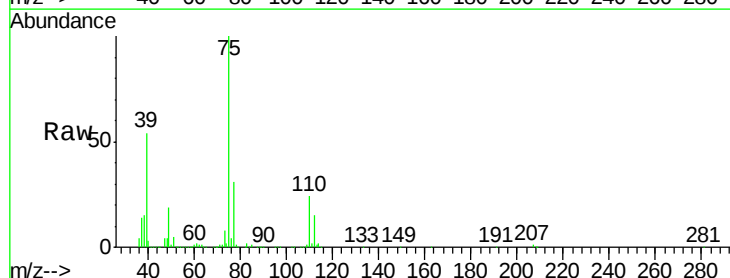
Tgt Ion: 75 Resp: 330140

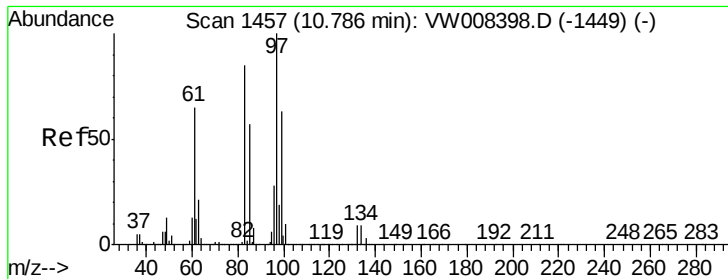
Ion Ratio Lower Upper

75 100

77 30.8 25.0 37.4

39 53.4 44.9 67.3





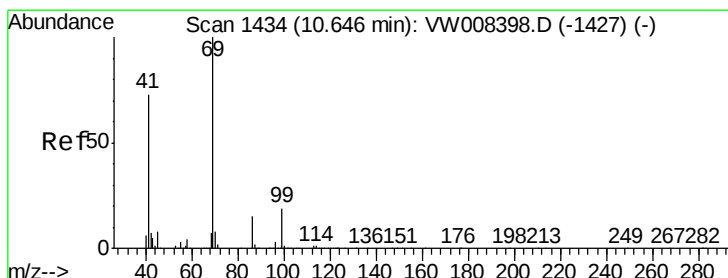
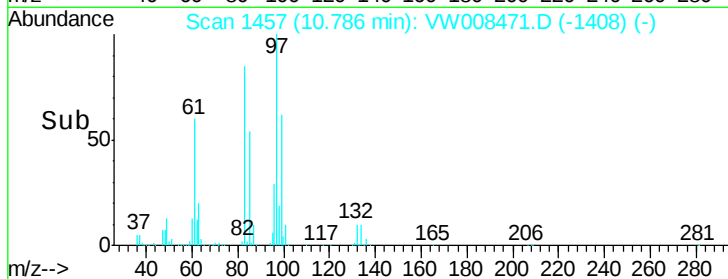
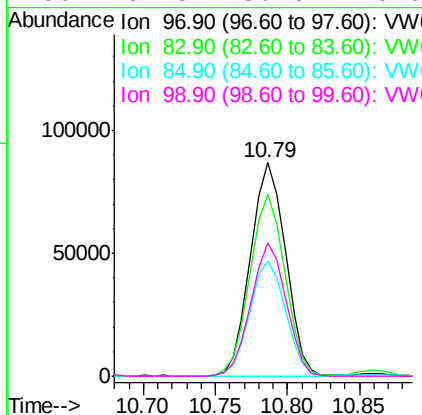
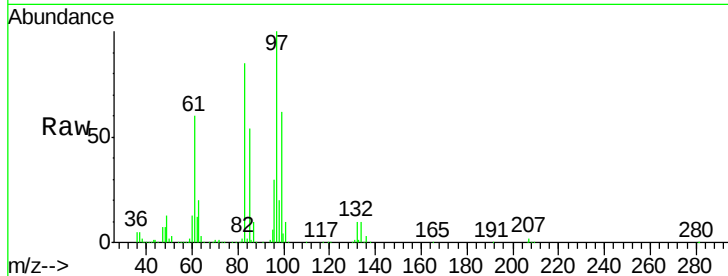
#55
 1,1,2-Trichloroethane
 Concen: 53.421 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008471.D
 Acq: 30 Jan 2019 18:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	147491
Ion	Ratio	Lower	Upper
97	100		
83	85.4	68.4	102.6
85	53.6	45.3	67.9
99	62.3	50.6	76.0

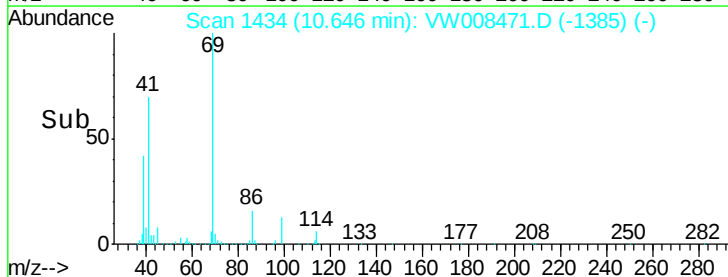
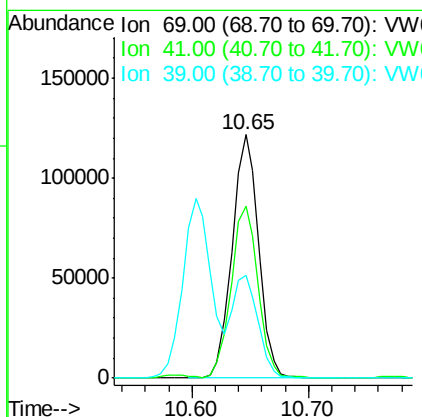
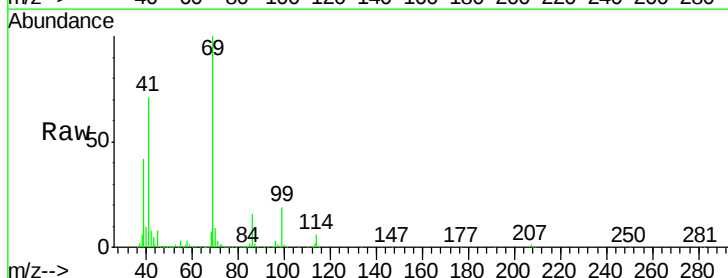
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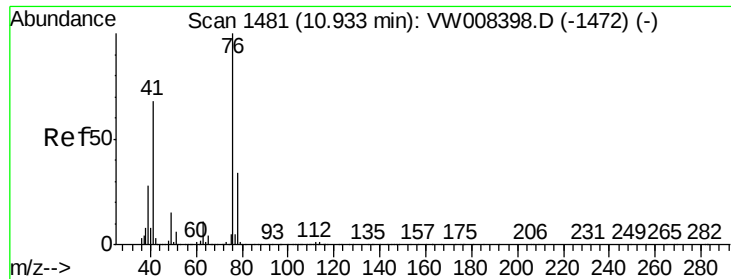
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 2/1/2019 10:47:15 AM



#56
 Ethyl methacrylate
 Concen: 49.589 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008471.D
 Acq: 30 Jan 2019 18:04

Tgt Ion:	69	Resp:	191841
Ion	Ratio	Lower	Upper
69	100		
41	71.3	58.7	88.1
39	40.3	32.6	48.8





#57

1,3-Dichloropropane

Concen: 51.981 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 257109

Ion Ratio Lower Upper

76 100

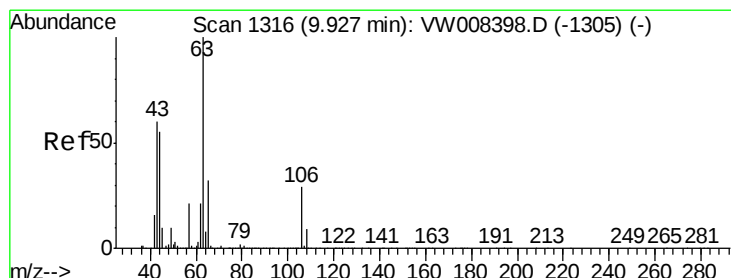
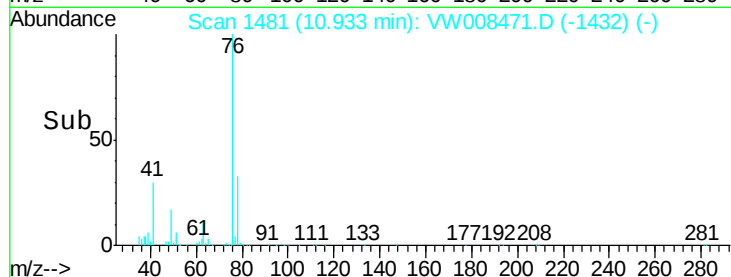
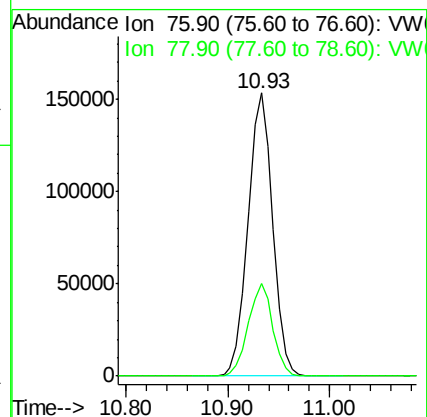
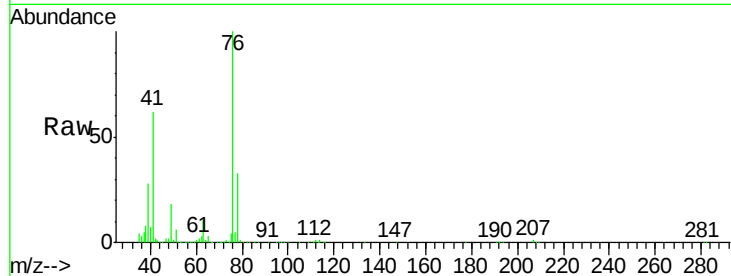
78 32.6 25.8 38.8

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#58

2-Chloroethyl Vinyl ether

Concen: 271.808 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW008471.D

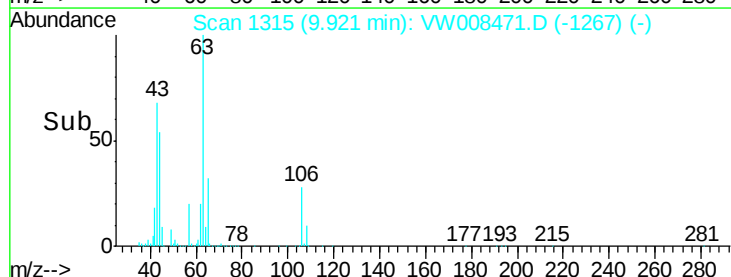
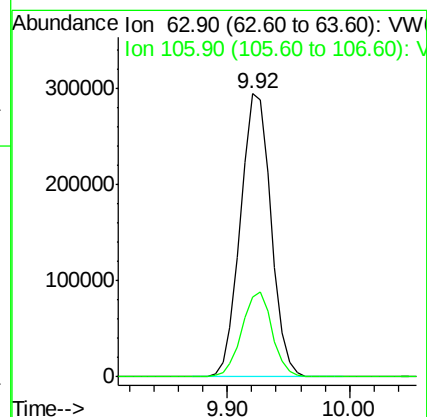
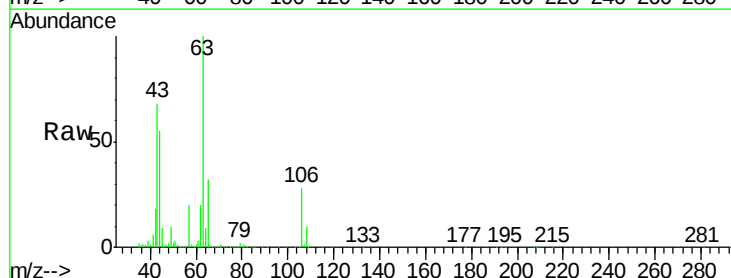
Acq: 30 Jan 2019 18:04

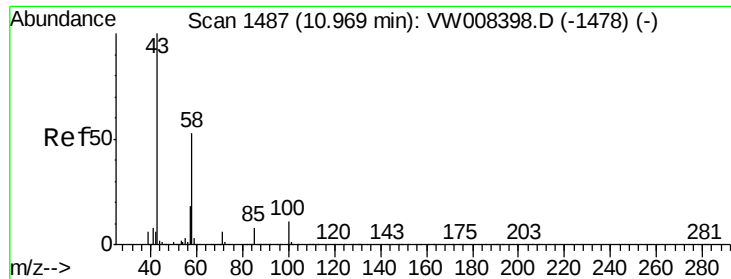
Tgt Ion: 63 Resp: 510906

Ion Ratio Lower Upper

63 100

106 29.8 22.4 33.6





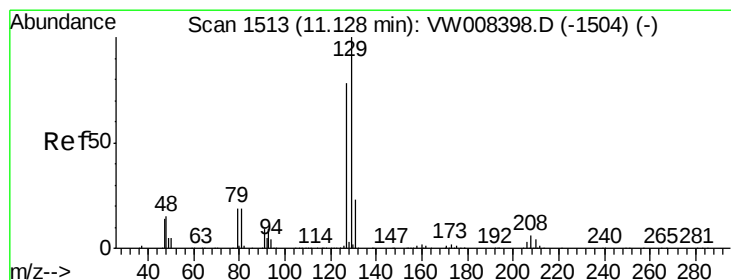
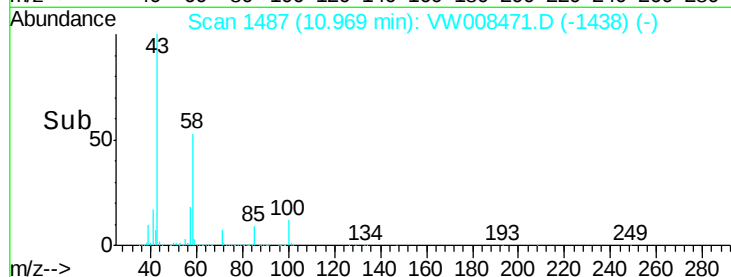
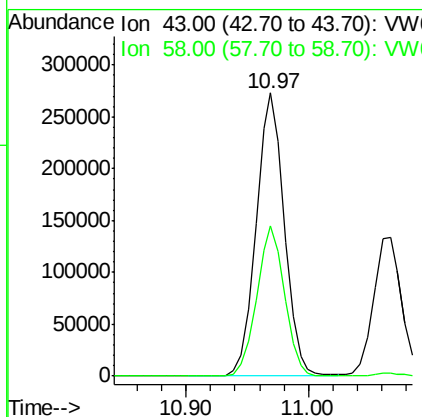
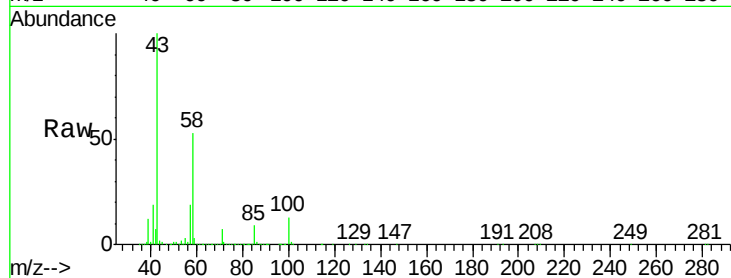
#59
2-Hexanone
Concen: 243.581 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008471.D
Acq: 30 Jan 2019 18:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 436763
Ion Ratio Lower Upper
43 100
58 52.6 25.9 77.7

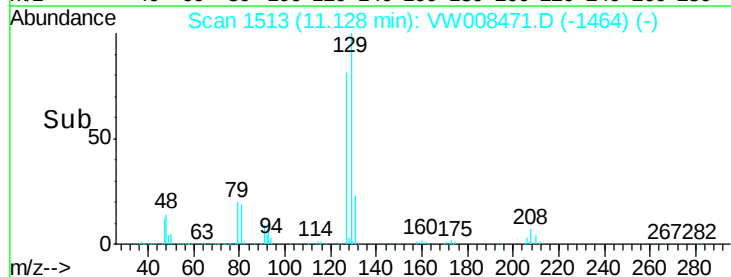
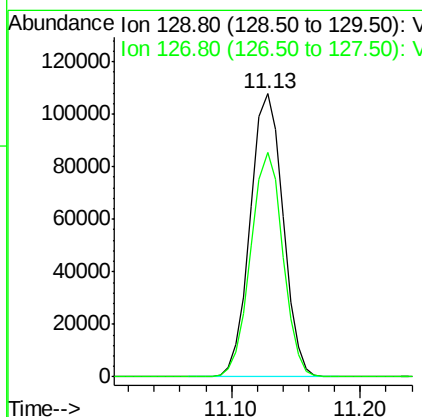
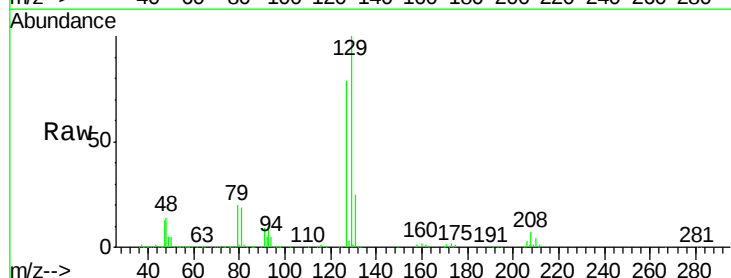
Manual Integrations
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2/1/2019 10:47:15 AM



#60
Dibromochloromethane
Concen: 53.553 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008471.D
Acq: 30 Jan 2019 18:04

Tgt Ion: 129 Resp: 190005
Ion Ratio Lower Upper
129 100
127 77.5 39.1 117.2





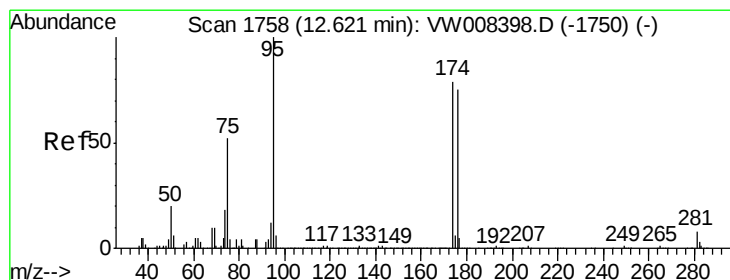
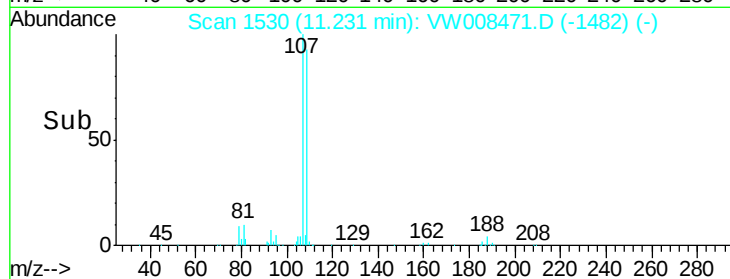
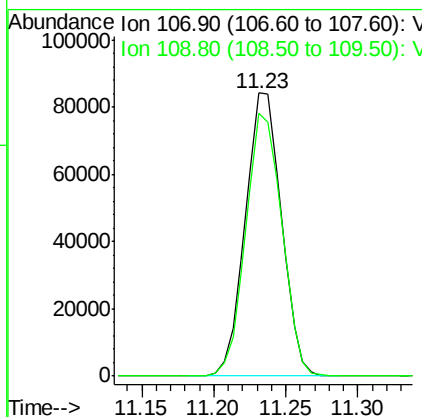
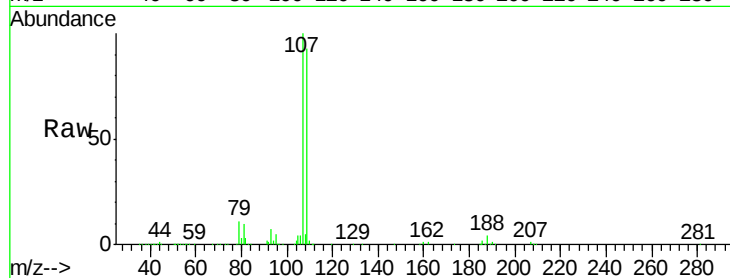
#61
 1,2-Dibromoethane
 Concen: 53.418 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW008471.D
 Acq: 30 Jan 2019 18:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	75.0	112.4

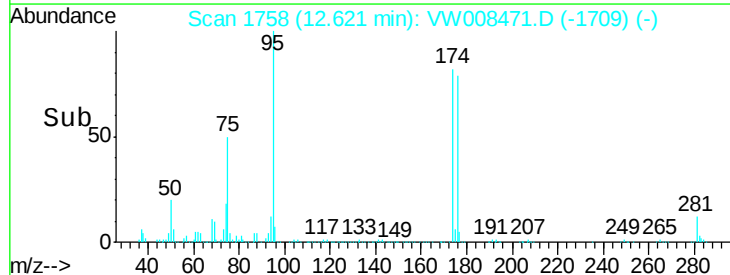
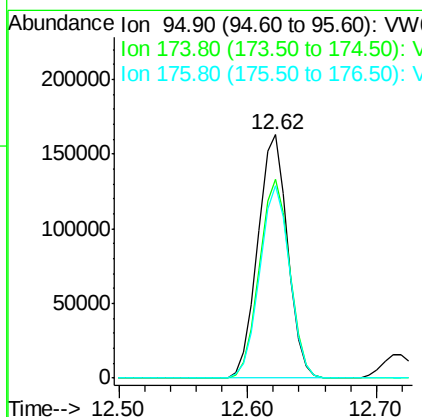
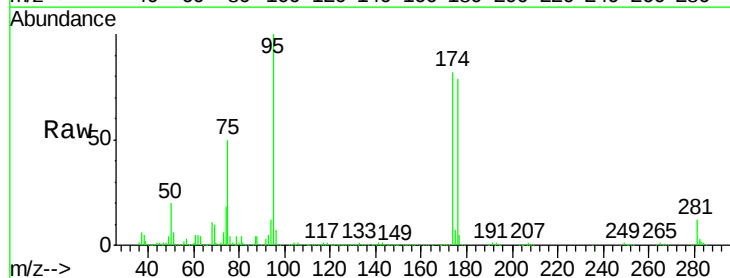
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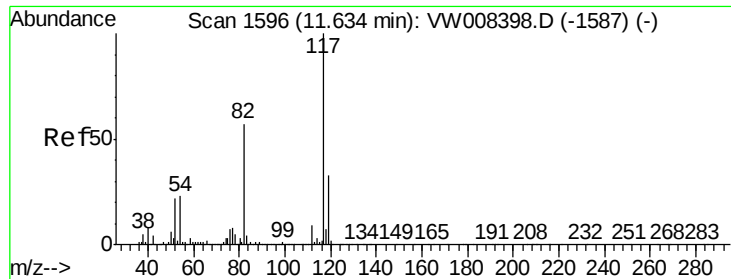
MMDadoda
 2/1/2019 10:47:15 AM



#62
 4-Bromofluorobenzene
 Concen: 48.760 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008471.D
 Acq: 30 Jan 2019 18:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.7	0.0	157.6
176	79.5	0.0	151.8





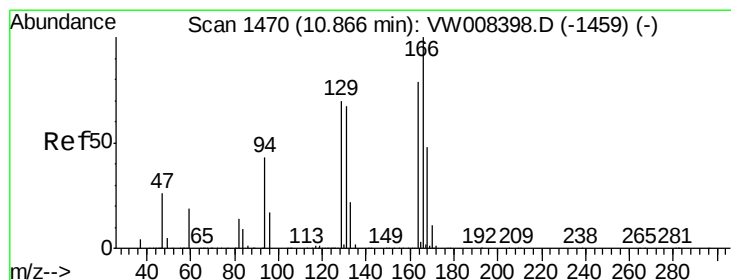
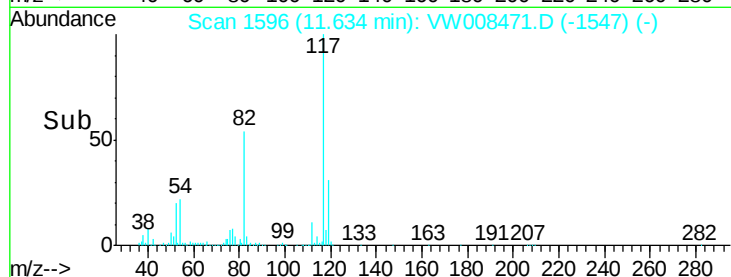
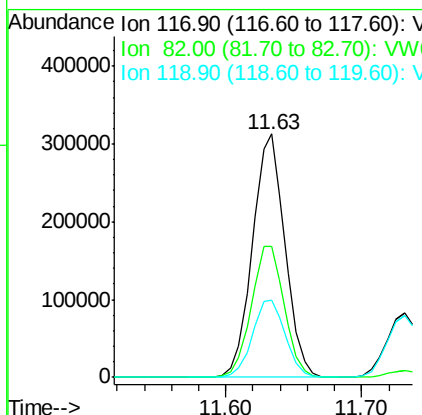
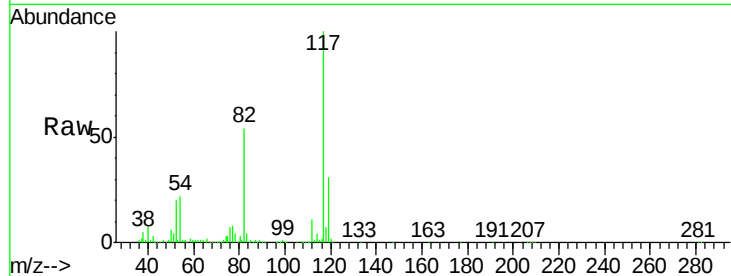
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008471.D
Acq: 30 Jan 2019 18:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	522865		
82	53.8		45.4	68.0
119	31.5		26.2	39.4

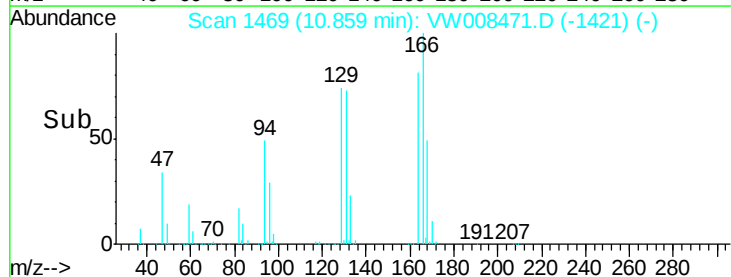
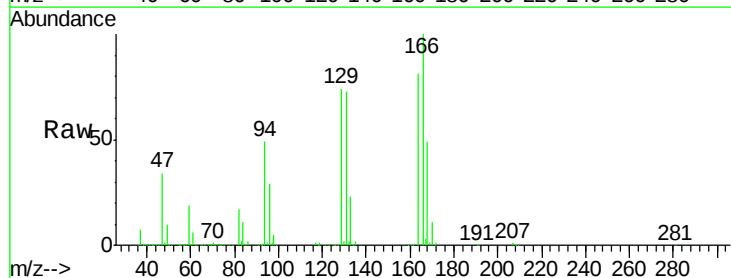
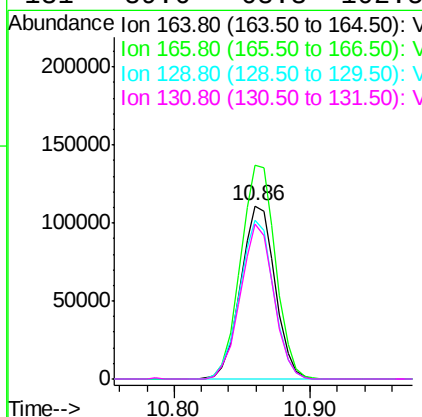
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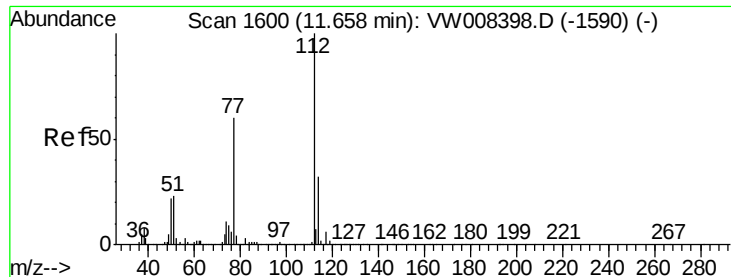
MMDadoda
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#64
Tetrachloroethene
Concen: 55.221 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008471.D
Acq: 30 Jan 2019 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	195490		
166	123.1		101.4	152.0
129	91.5		71.0	106.6
131	89.6		68.3	102.5





#65

Chlorobenzene

Concen: 54.478 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 581468

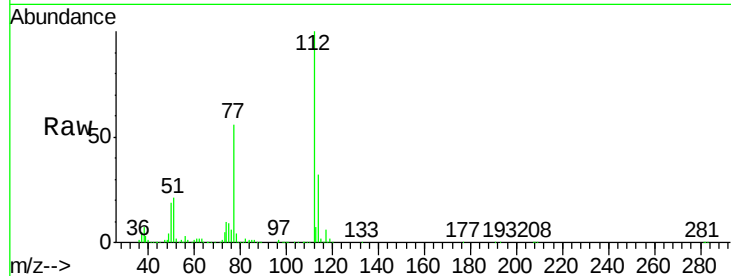
Ion Ratio Lower Upper

112 100

114 32.3 25.4 38.2

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

400000

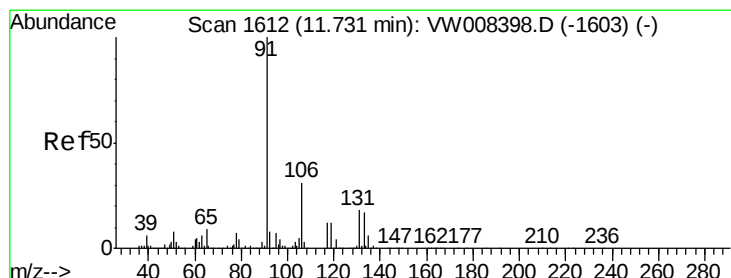
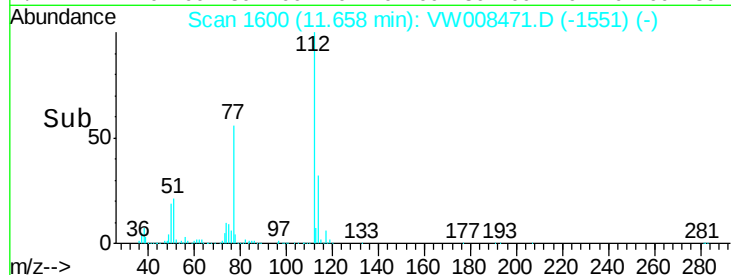
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 54.351 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

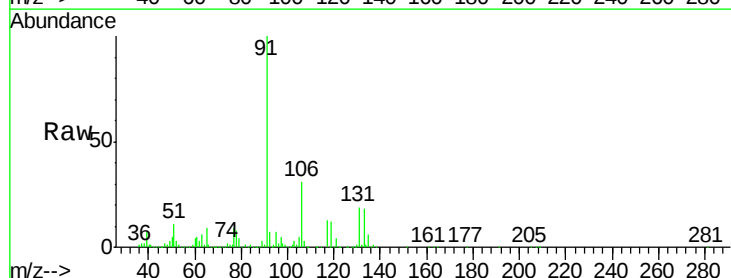
Tgt Ion:131 Resp: 207555

Ion Ratio Lower Upper

131 100

133 95.5 47.0 141.2

119 64.1 32.1 96.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.73

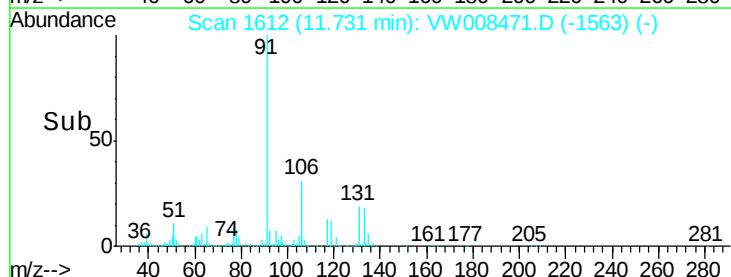
150000

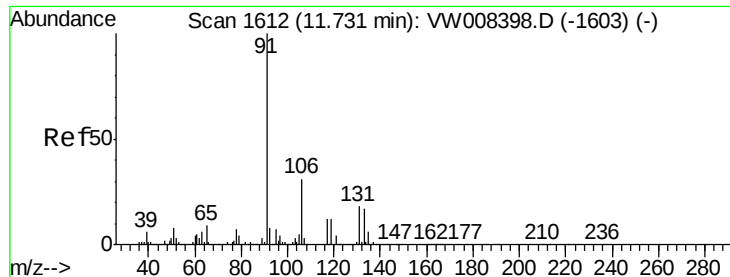
100000

50000

0

Time-->





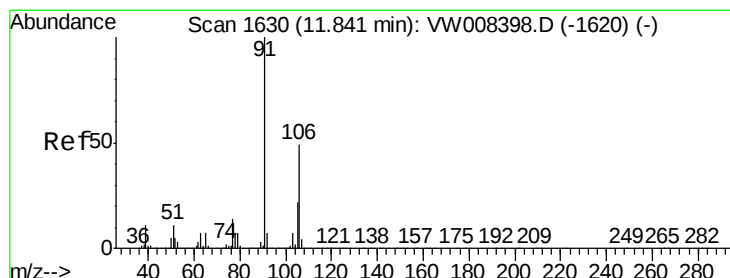
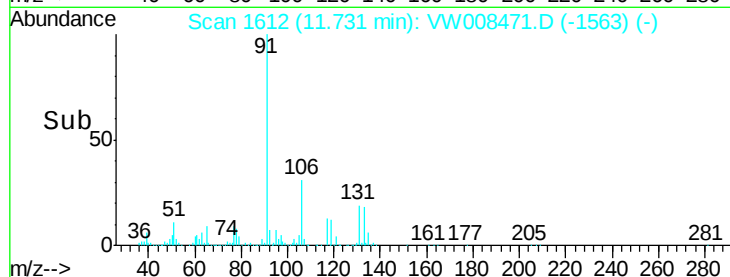
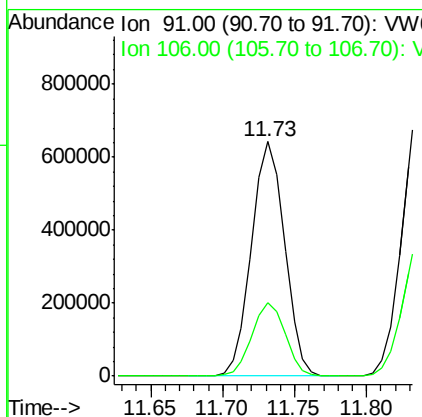
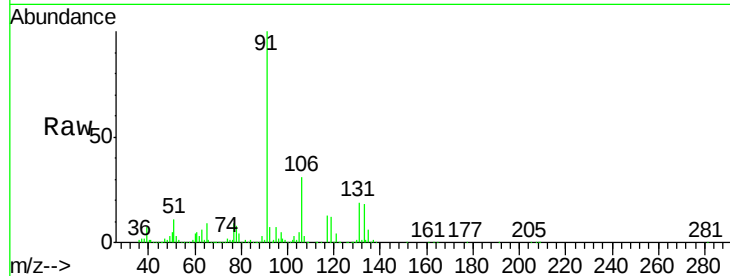
#67
Ethyl Benzene
Concen: 52.121 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008471.D
Acq: 30 Jan 2019 18:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1022589
Ion Ratio Lower Upper
91 100
106 31.3 24.7 37.1

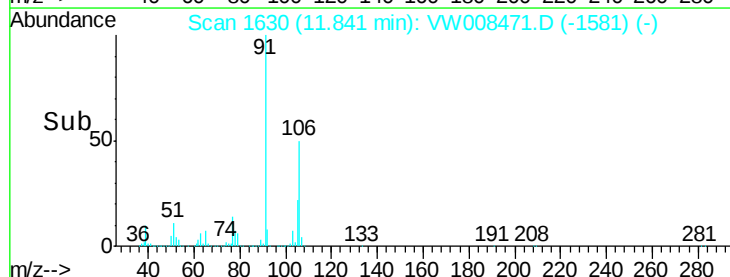
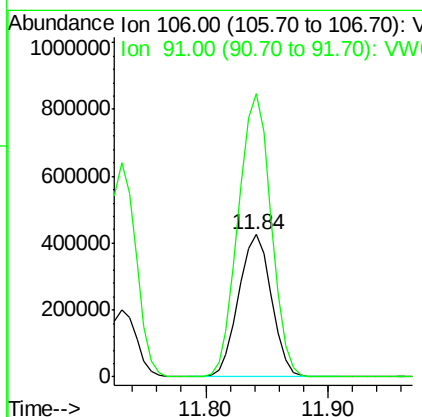
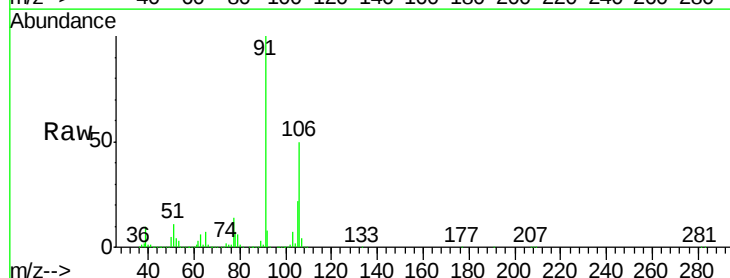
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#68
m/p-Xylenes
Concen: 104.215 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008471.D
Acq: 30 Jan 2019 18:04

Tgt Ion: 106 Resp: 793317
Ion Ratio Lower Upper
106 100
91 199.3 162.9 244.3





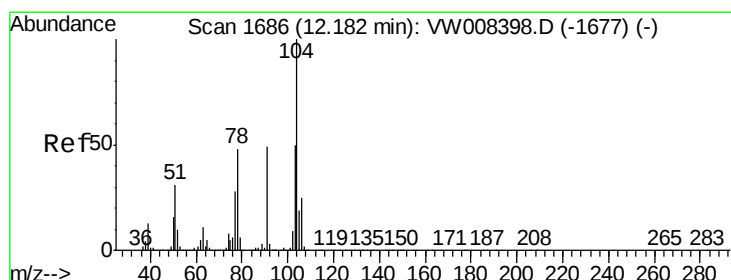
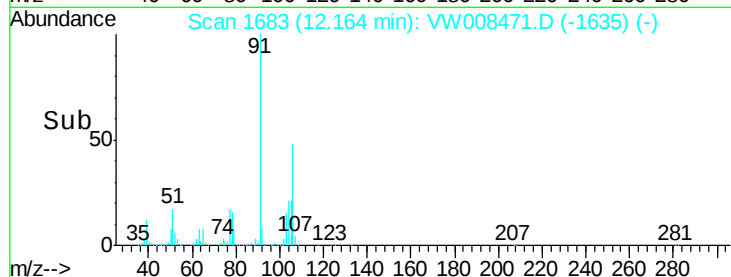
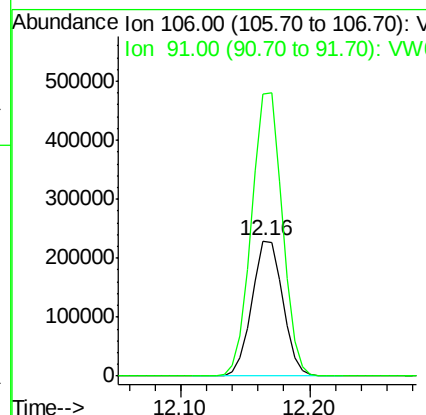
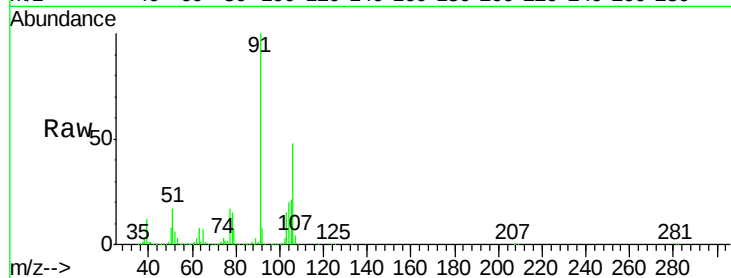
#69
o-Xylene
Concen: 52.103 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008471.D
Acq: 30 Jan 2019 18:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.4	107.5	322.4

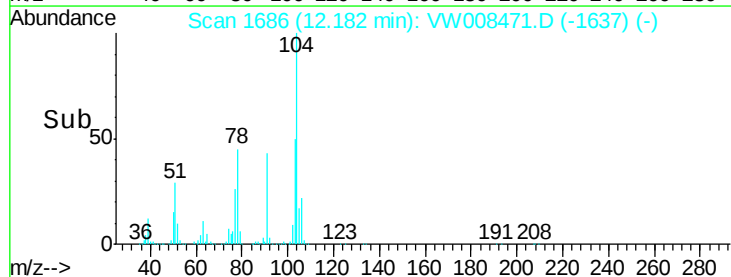
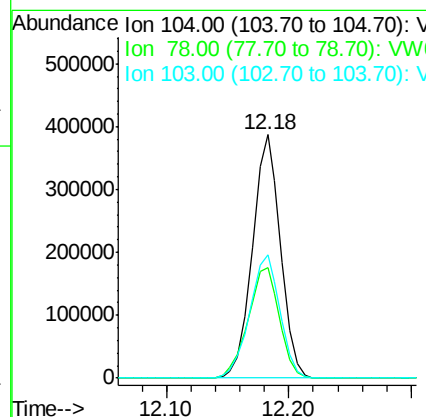
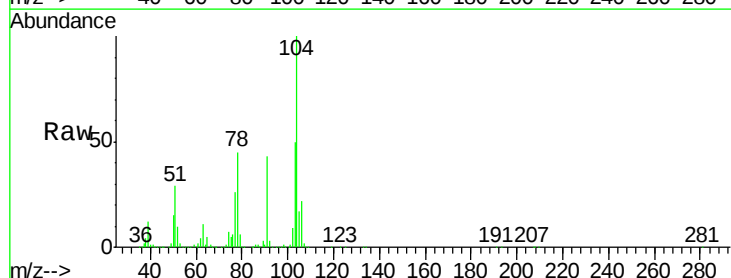
Manual Integrations
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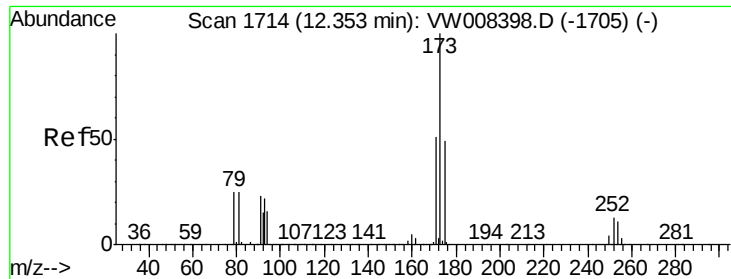
MMDadoda
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#70
Styrene
Concen: 51.482 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008471.D
Acq: 30 Jan 2019 18:04

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.9	42.4	63.6
103	54.8	43.4	65.0





#71

Bromoform

Concen: 53.077 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

Instrument :

MSVOA_W

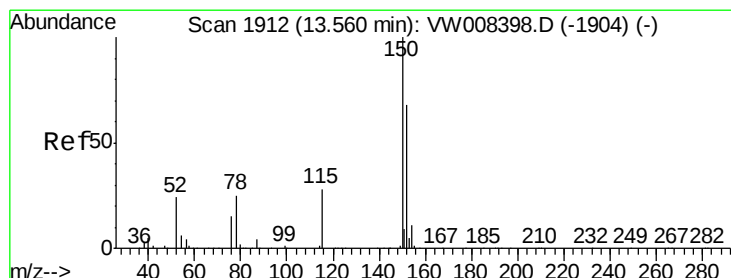
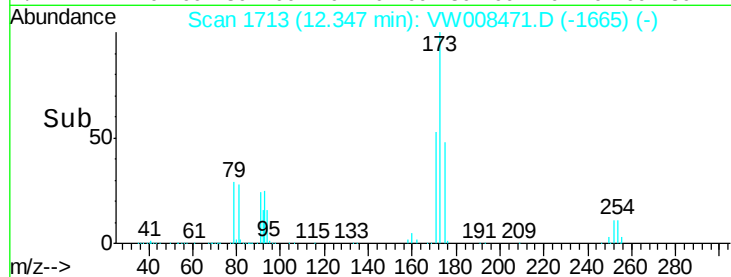
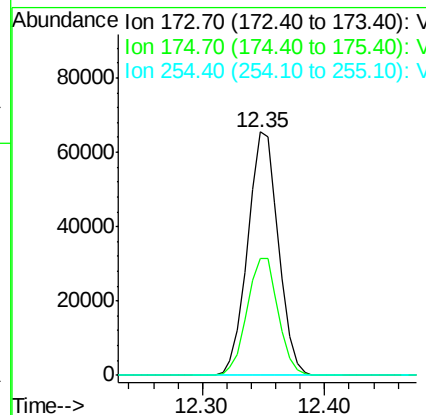
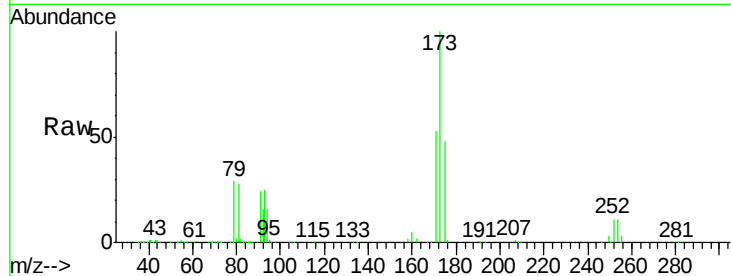
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.4	73.4
254	0.1	0.2	0.2

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

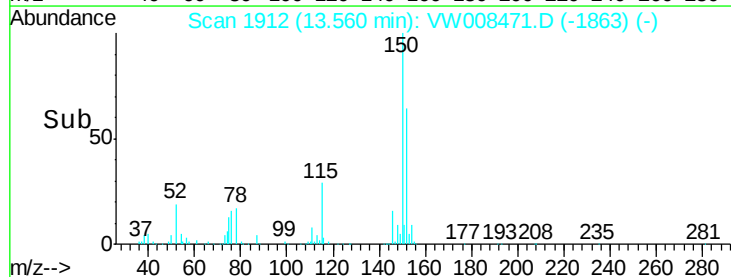
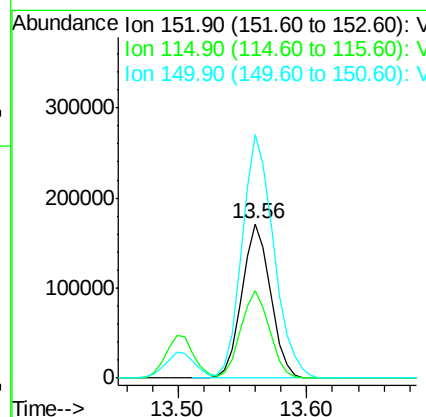
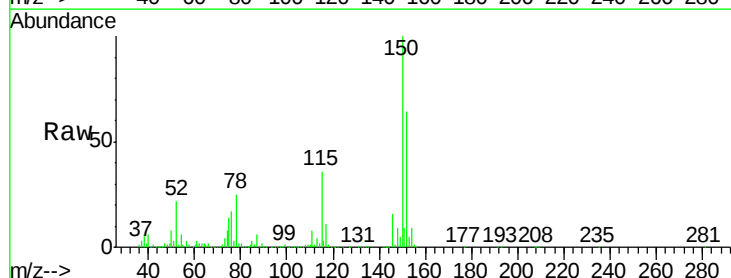
RT: 13.56 min Scan# 1912

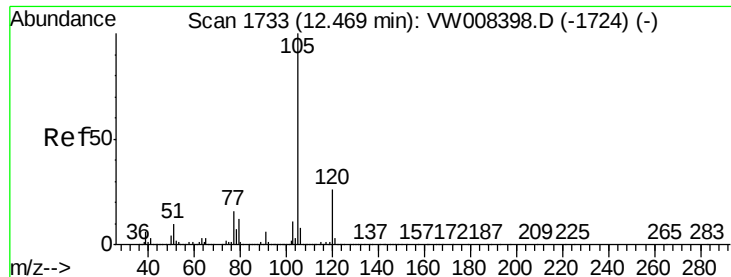
Delta R.T. 0.00 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	29.9	89.7
150	174.4	0.0	351.4





#73

Isopropylbenzene

Concen: 52.795 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1035644

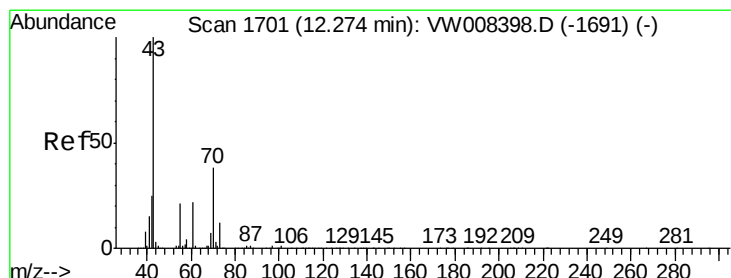
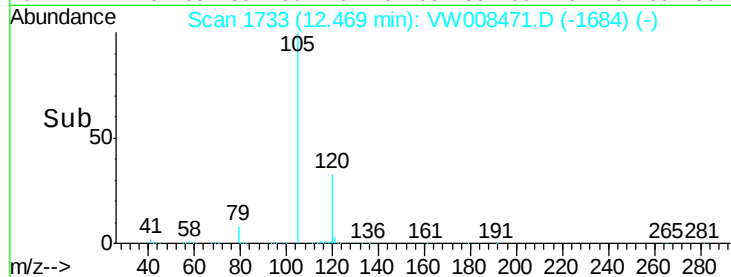
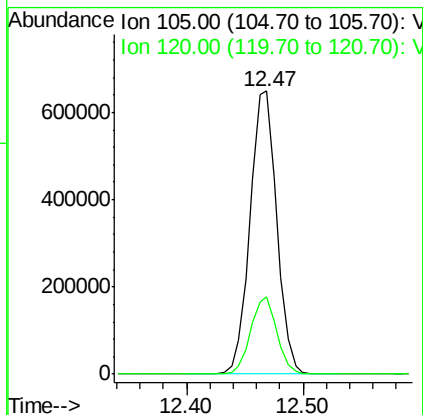
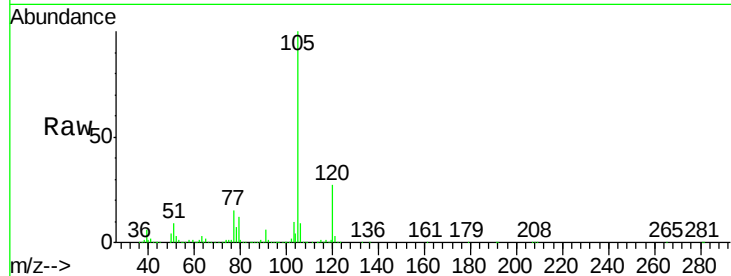
Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.8

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#74

N-ethyl acetate

Concen: 49.049 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

Tgt Ion: 43 Resp: 247866

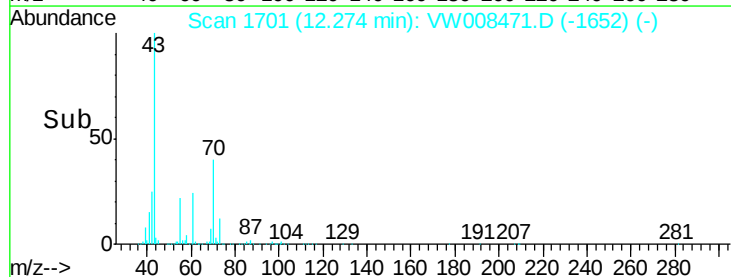
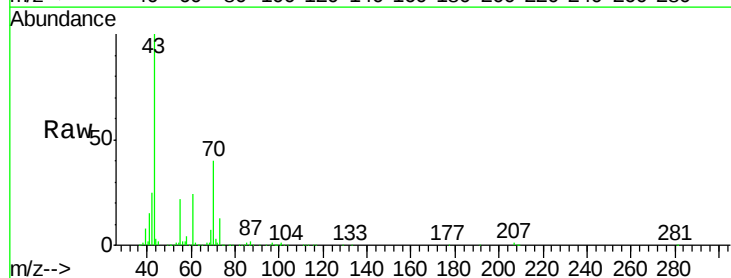
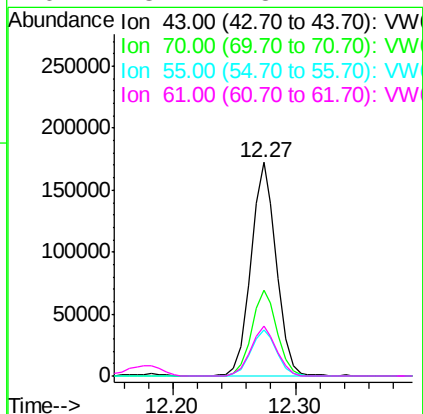
Ion Ratio Lower Upper

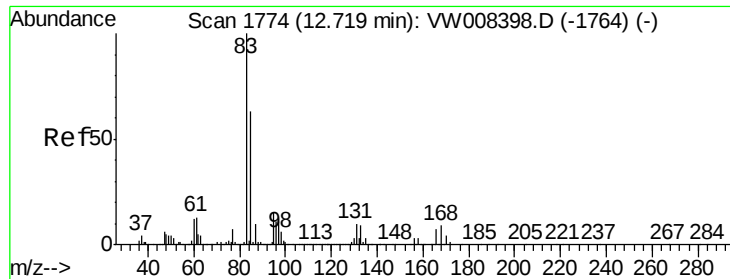
43 100

70 40.4 31.0 46.6

55 22.0 17.4 26.2

61 23.7 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 53.538 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

Instrument :

MSVOA_W

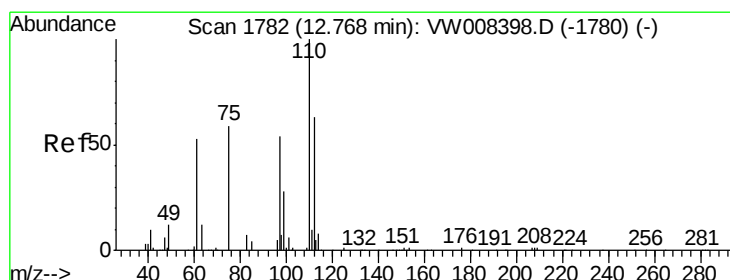
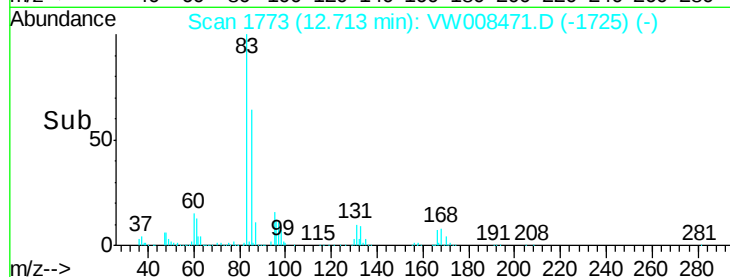
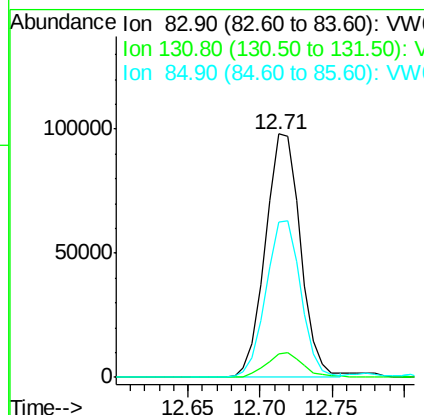
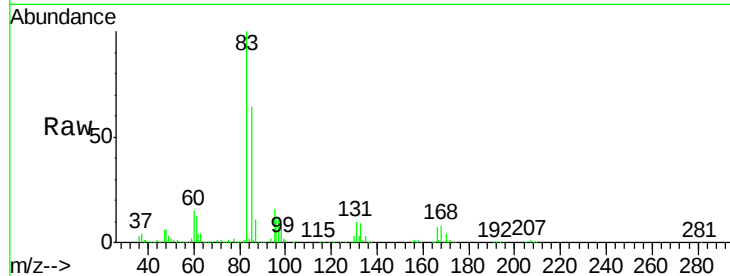
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	166271
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.5	16.4
85	63.9	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 52.002 ug/l m

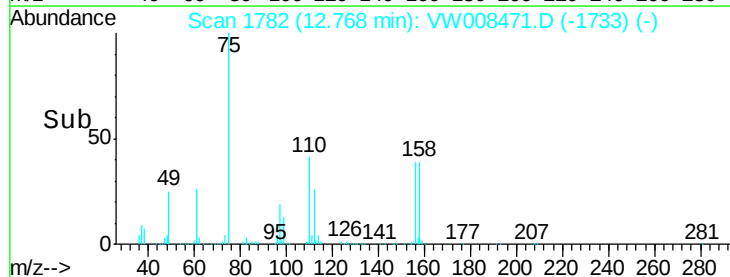
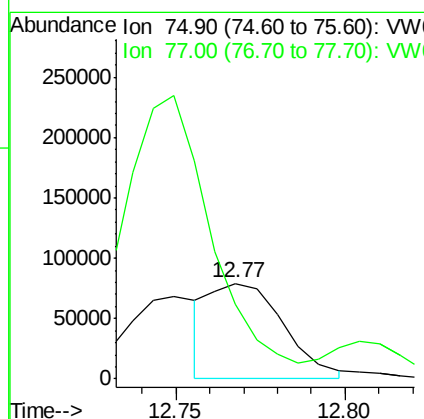
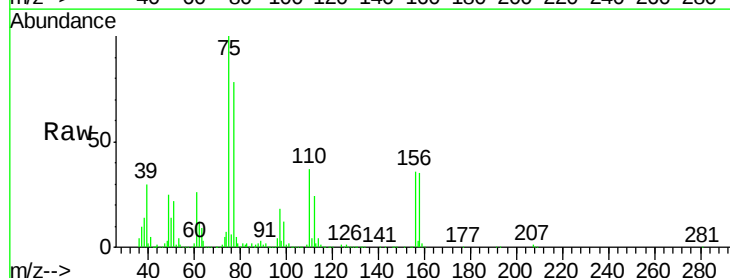
RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

Tgt Ion:	75	Resp:	118962
Ion Ratio	Lower	Upper	
75	100		
77	361.9	180.7	542.1





#77

Bromobenzene

Concen: 55.083 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

Instrument :

MSVOA_W

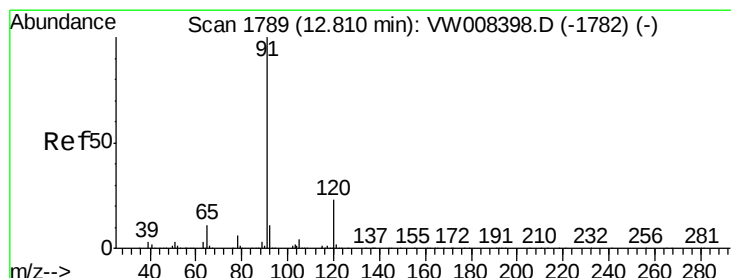
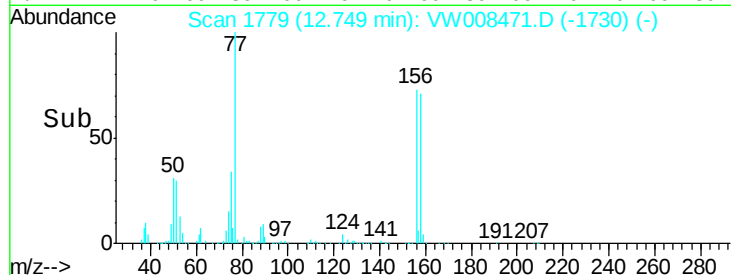
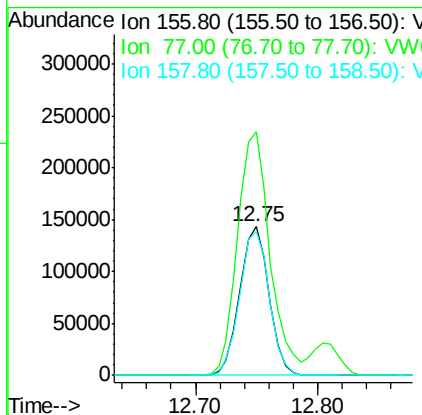
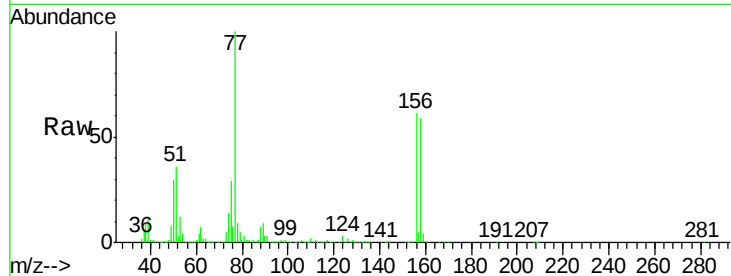
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	235978
Ion Ratio	Lower	Upper	
156	100		
77	182.5	96.9	290.7
158	98.7	48.8	146.4

Manual Integrations
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#78

n-propylbenzene

Concen: 51.868 ug/l

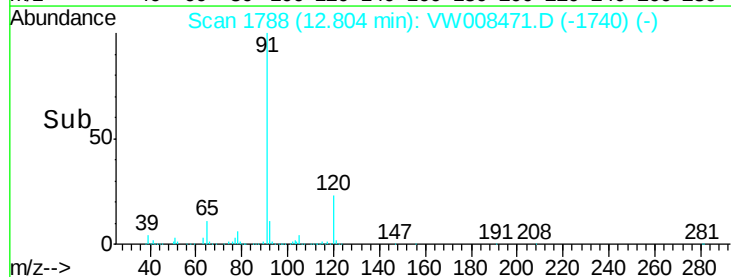
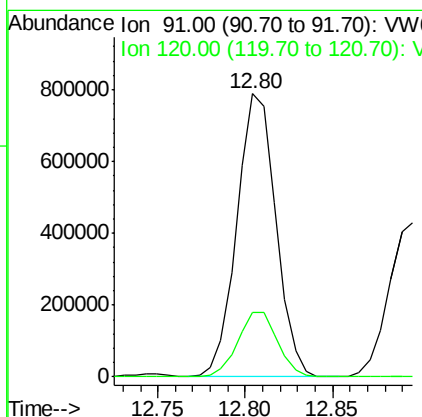
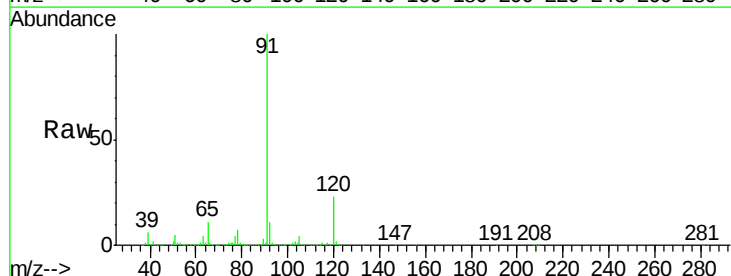
RT: 12.80 min Scan# 1788

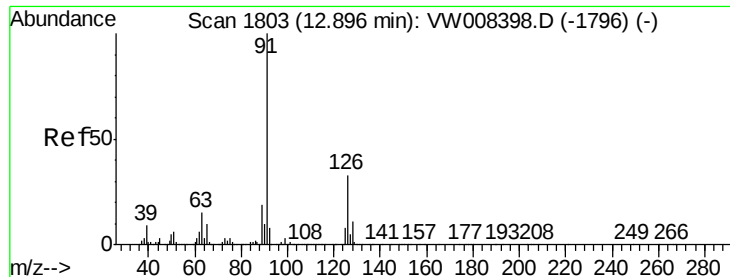
Delta R.T. -0.01 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

Tgt Ion:	91	Resp:	1222021
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.4	34.1





#79

2-Chlorotoluene

Concen: 51.888 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 689849

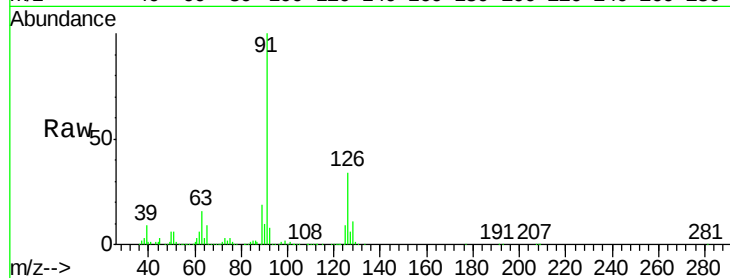
Ion Ratio Lower Upper

91 100

126 34.2 16.5 49.5

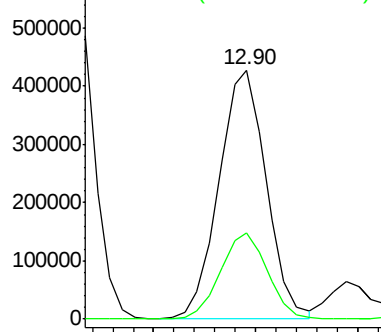
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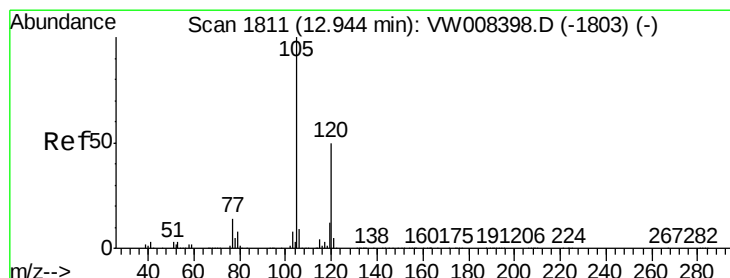
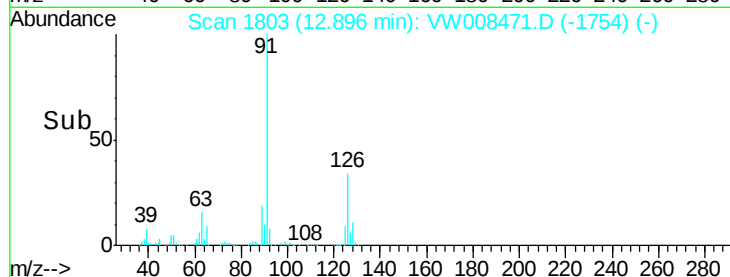


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.844 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008471.D

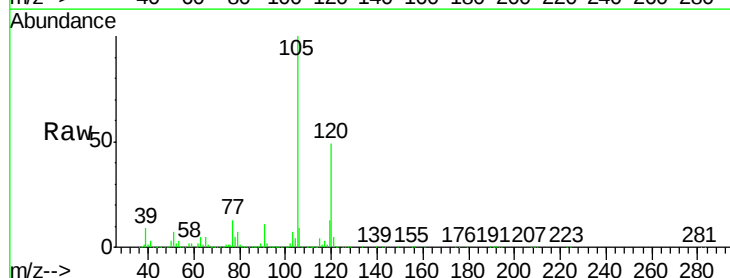
Acq: 30 Jan 2019 18:04

Tgt Ion: 105 Resp: 850033

Ion Ratio Lower Upper

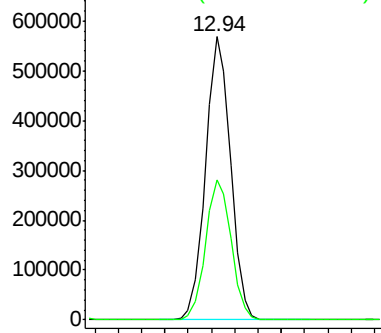
105 100

120 50.5 24.6 73.8

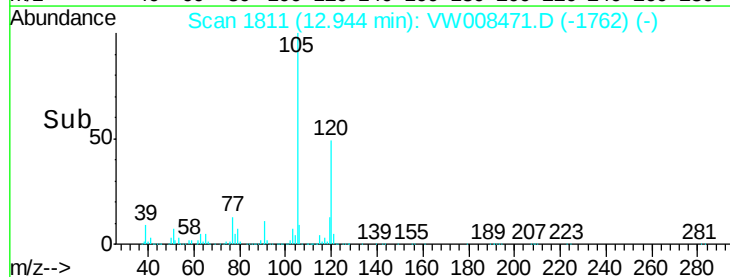


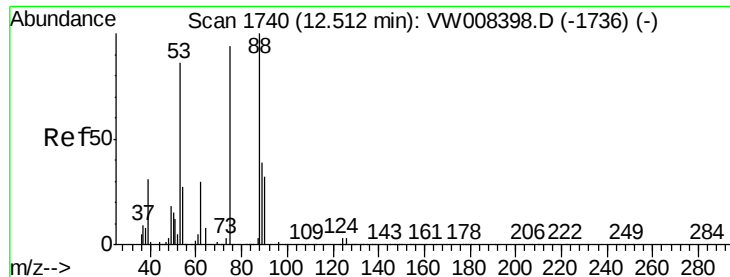
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 49.672 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

Instrument :

MSVOA_W

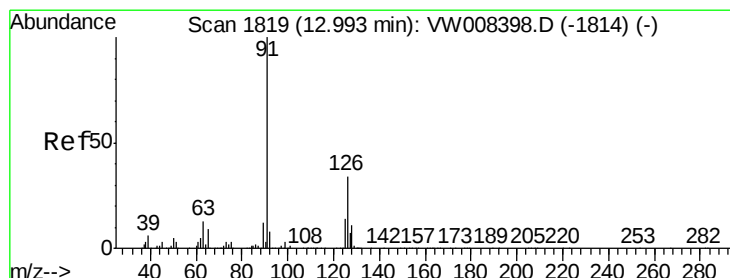
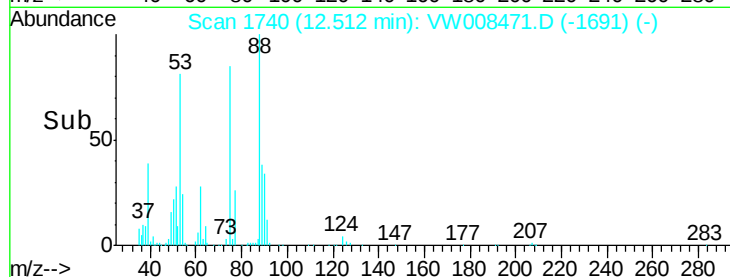
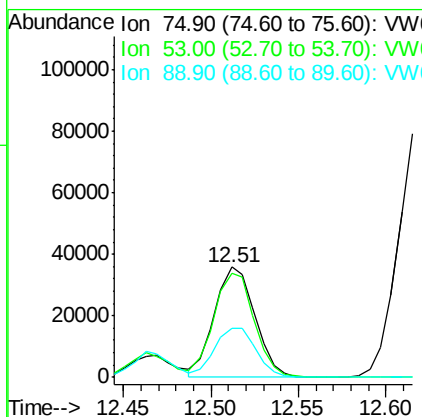
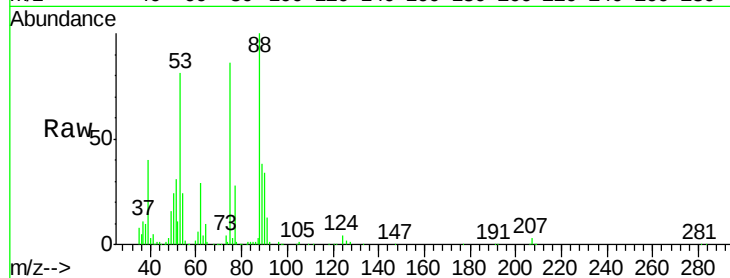
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	57533
Ion	Ratio	Lower	Upper
75	100		
53	95.2	76.0	114.0
89	46.5	35.4	53.0

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#82

4-Chlorotoluene

Concen: 51.222 ug/l

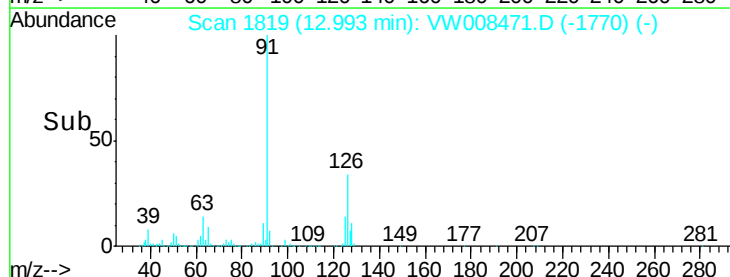
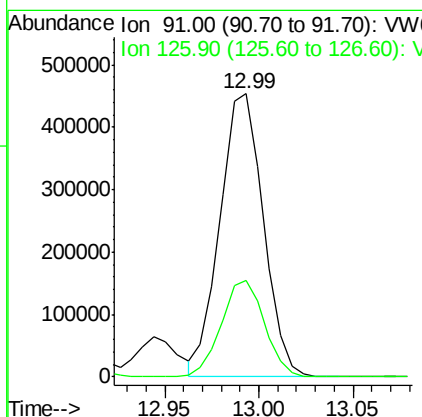
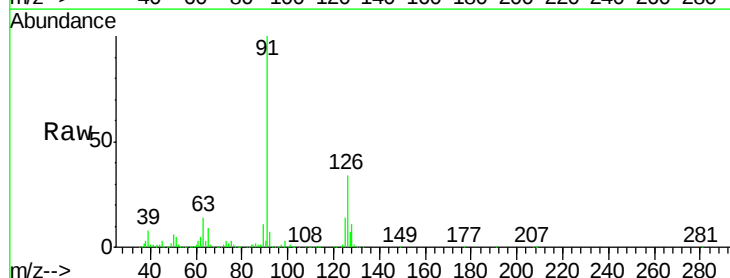
RT: 12.99 min Scan# 1819

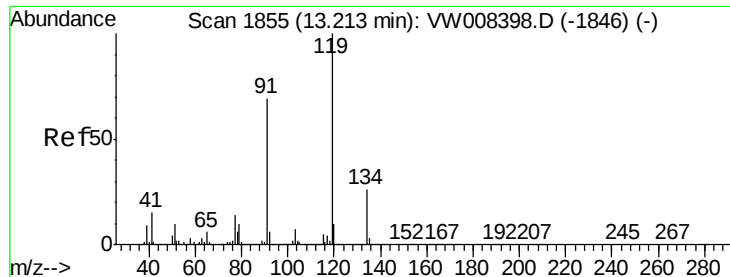
Delta R.T. 0.00 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

Tgt Ion:	91	Resp:	725045
Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.4	49.2





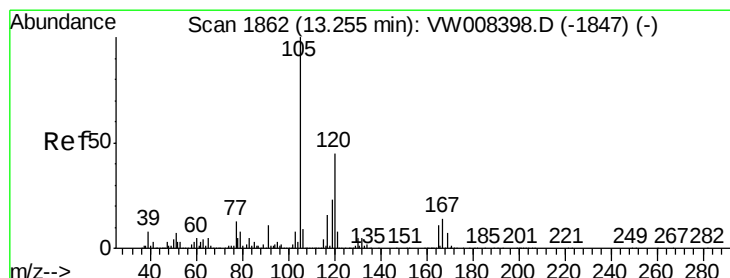
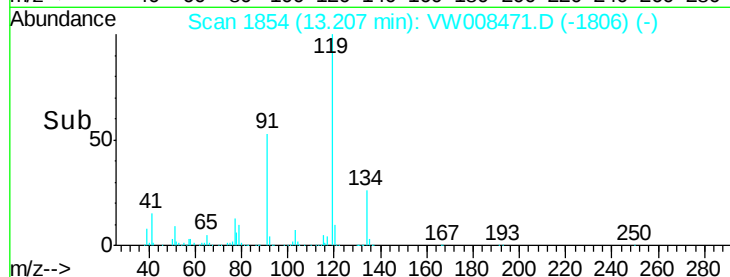
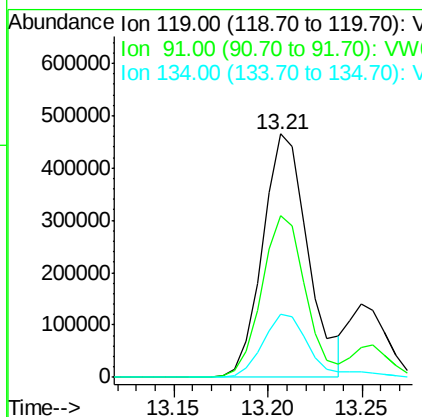
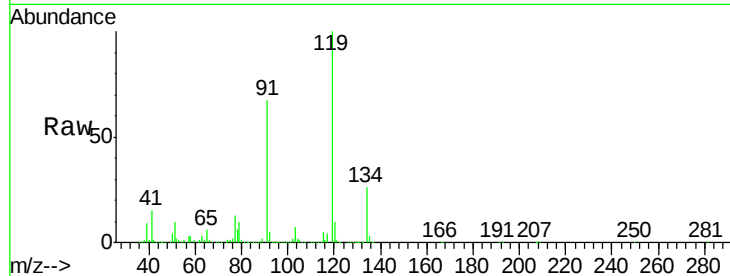
#83
tert-Butylbenzene
Concen: 53.309 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW008471.D
Acq: 30 Jan 2019 18:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.0	33.8	101.4
134	27.1	13.5	40.4

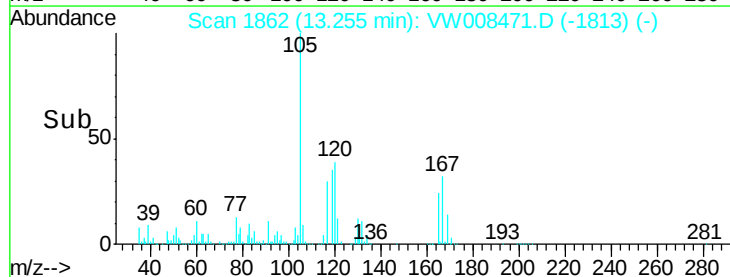
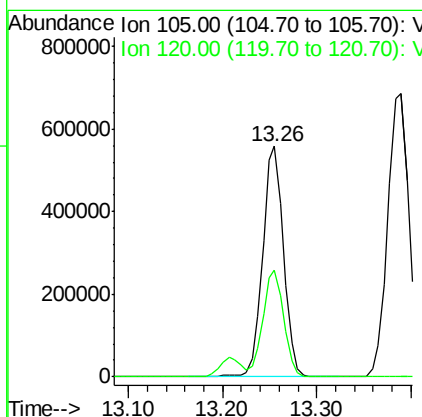
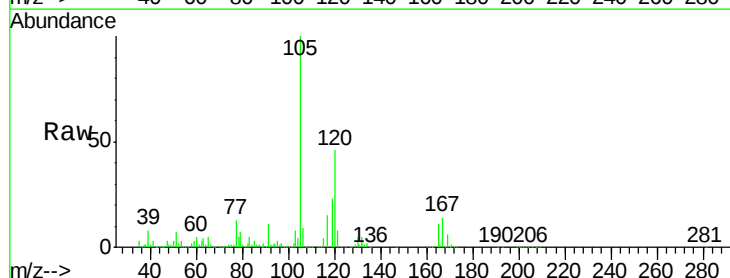
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#84
1,2,4-Trimethylbenzene
Concen: 52.278 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008471.D
Acq: 30 Jan 2019 18:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.1	69.2





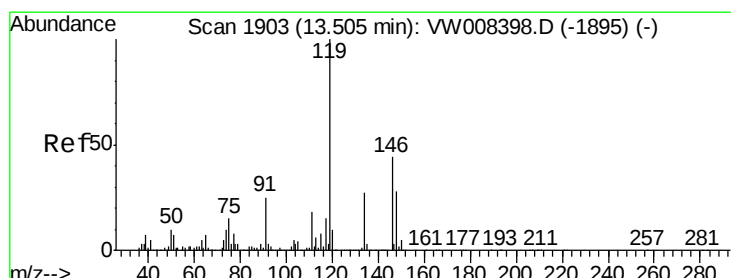
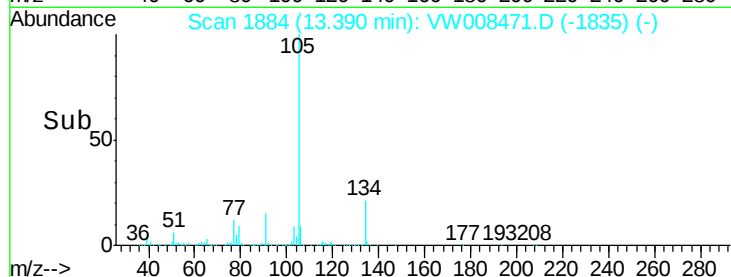
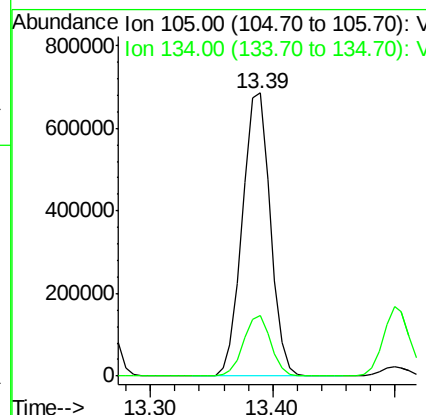
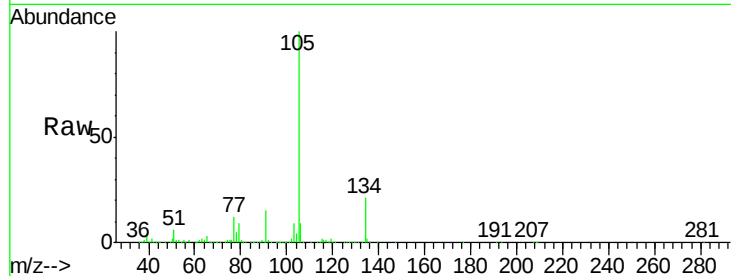
#85
 sec-Butylbenzene
 Concen: 51.967 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW008471.D
 Acq: 30 Jan 2019 18:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1082840
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.2 30.6

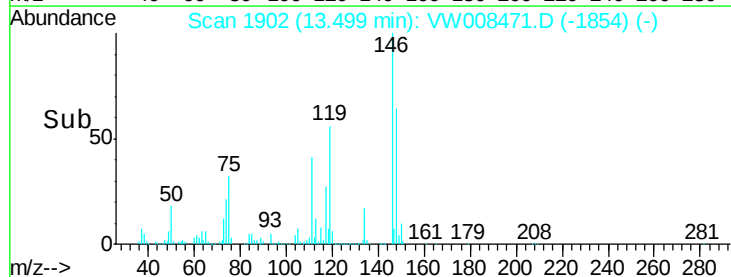
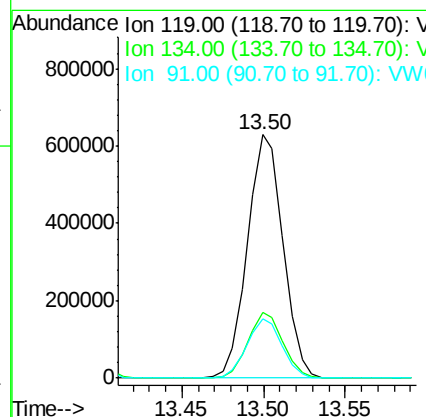
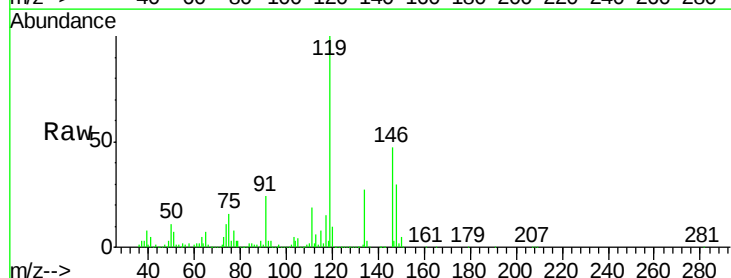
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#86
 p-Isopropyltoluene
 Concen: 52.395 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008471.D
 Acq: 30 Jan 2019 18:04

Tgt Ion:119 Resp: 956324
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.4 40.2
 91 24.1 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 53.806 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

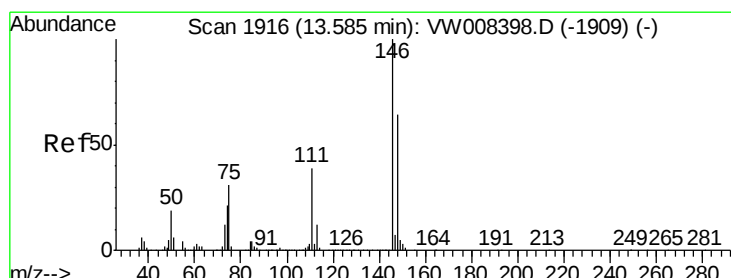
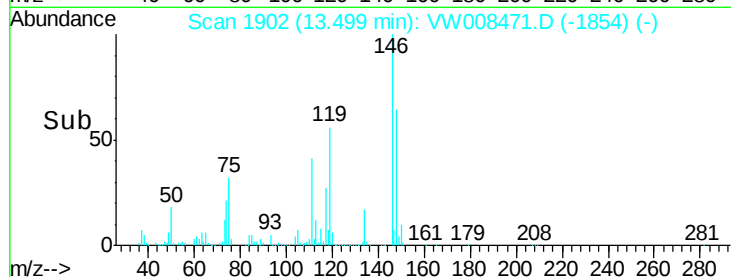
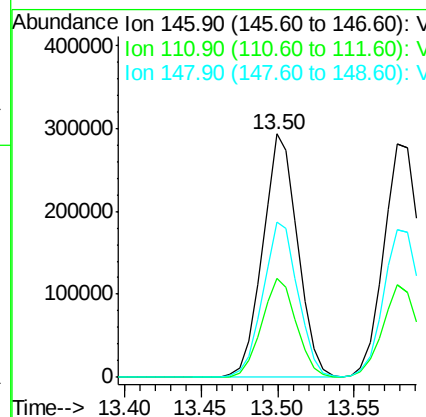
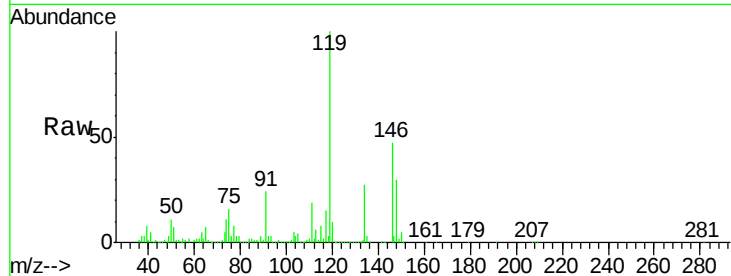
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	465521		
111	40.3	20.3	60.9	
148	63.9	31.9	95.7	

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#88

1,4-Dichlorobenzene

Concen: 53.510 ug/l

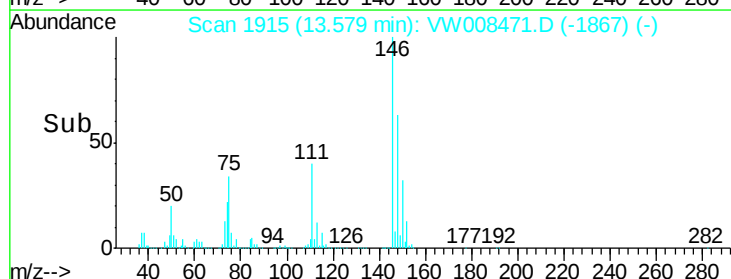
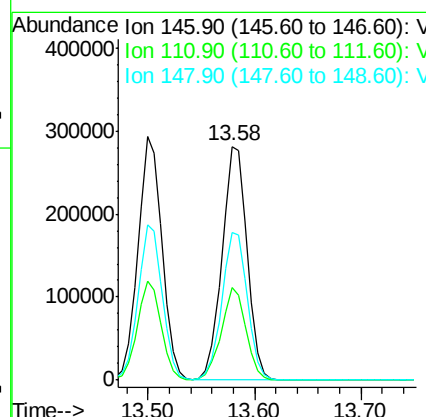
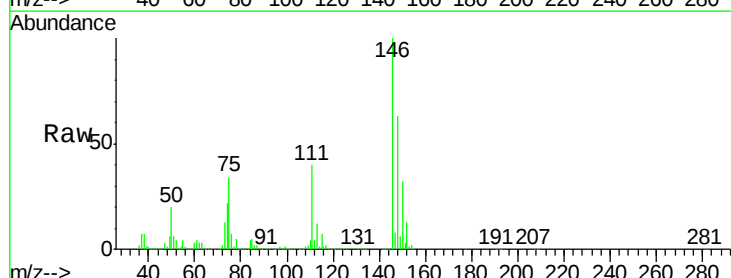
RT: 13.58 min Scan# 1915

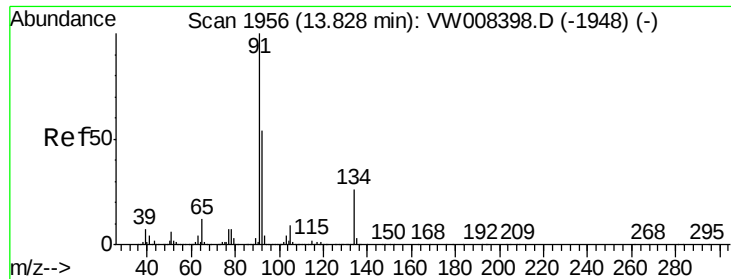
Delta R.T. -0.01 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	460101		
111	38.7	20.0	60.0	
148	64.1	32.0	96.2	





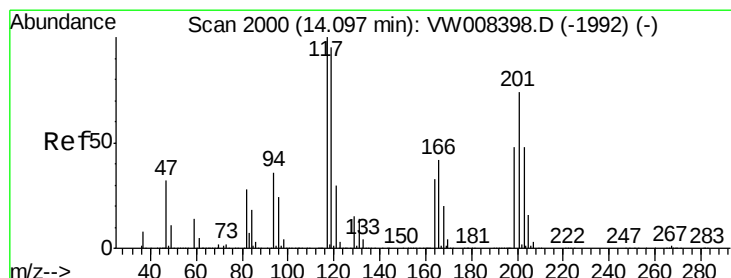
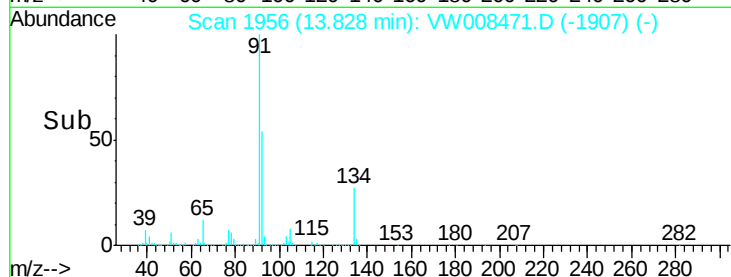
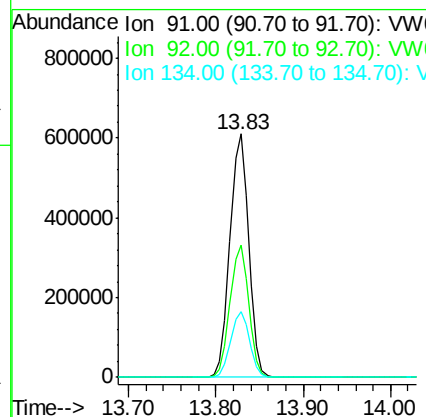
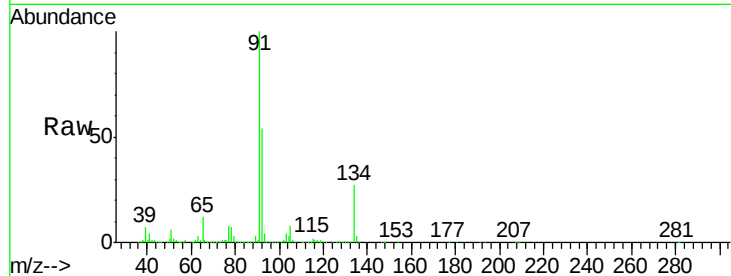
#89
n-Butylbenzene
Concen: 50.692 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008471.D
Acq: 30 Jan 2019 18:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.4	82.2
134	26.9	13.0	39.0

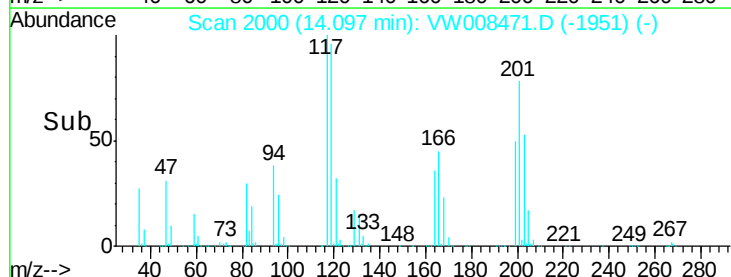
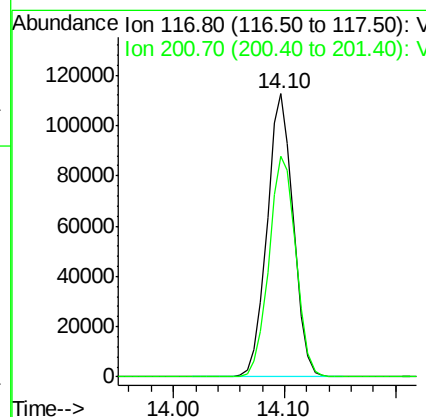
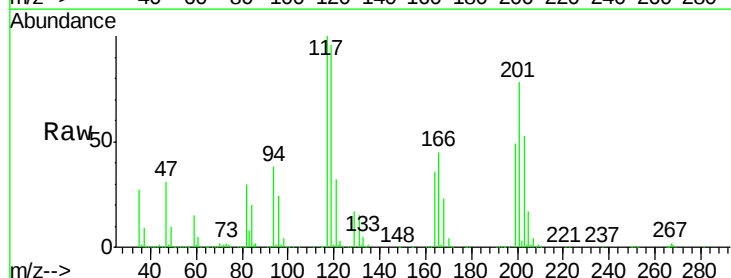
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#90
Hexachloroethane
Concen: 51.810 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008471.D
Acq: 30 Jan 2019 18:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.0	39.1	117.5





#91

1,2-Dichlorobenzene

Concen: 54.008 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

Instrument :

MSVOA_W

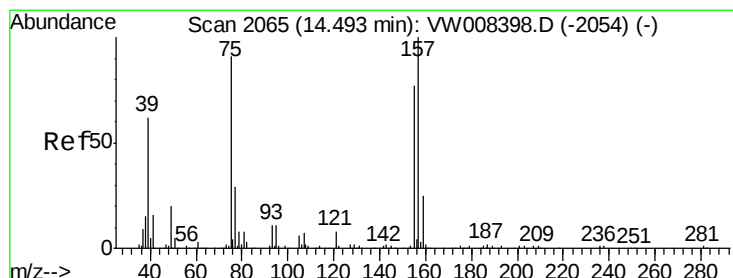
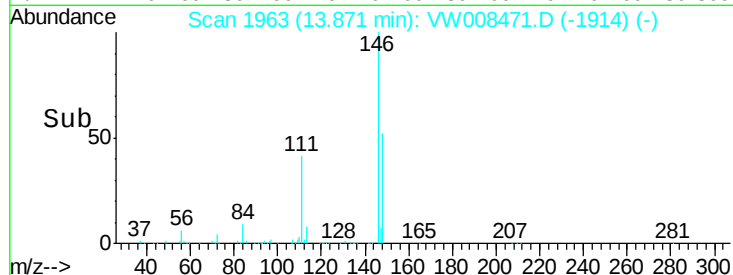
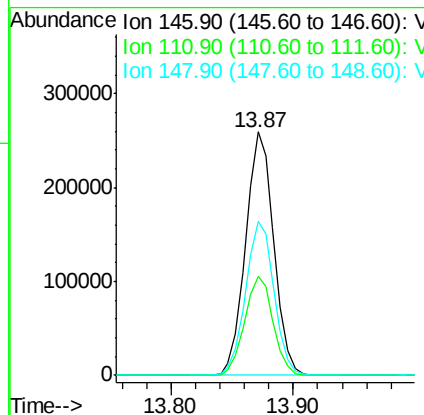
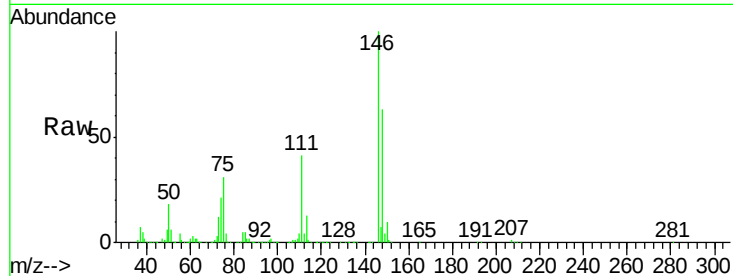
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	413450
Ion Ratio	Lower	Upper	
146	100		
111	41.1	21.1	63.3
148	63.8	31.9	95.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 48.430 ug/l

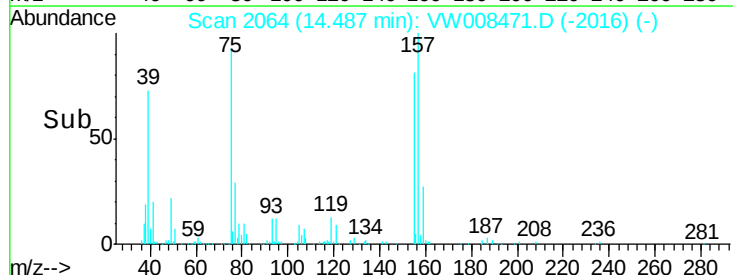
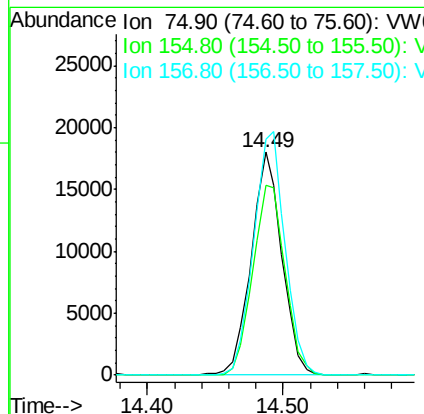
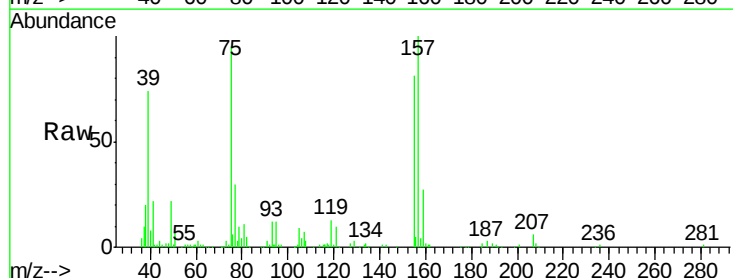
RT: 14.49 min Scan# 2064

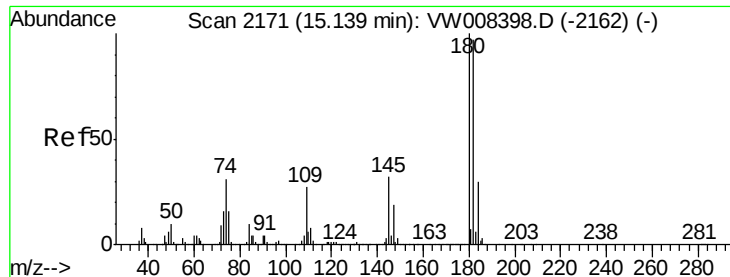
Delta R.T. -0.01 min

Lab File: VW008471.D

Acq: 30 Jan 2019 18:04

Tgt Ion:	75	Resp:	28538
Ion Ratio	Lower	Upper	
75	100		
155	89.6	42.7	128.1
157	111.4	55.5	166.3





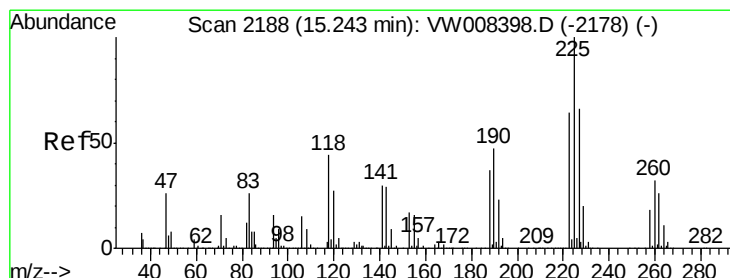
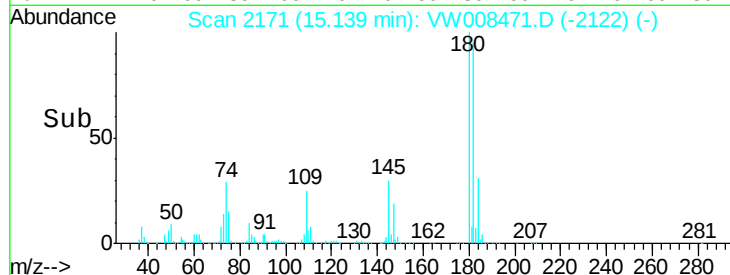
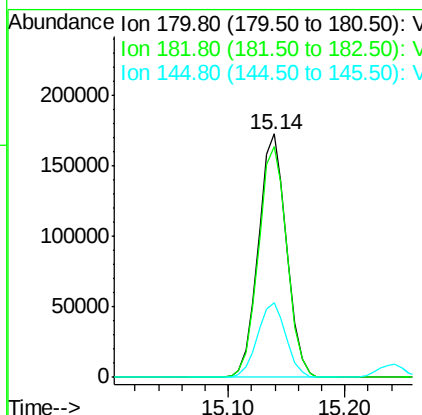
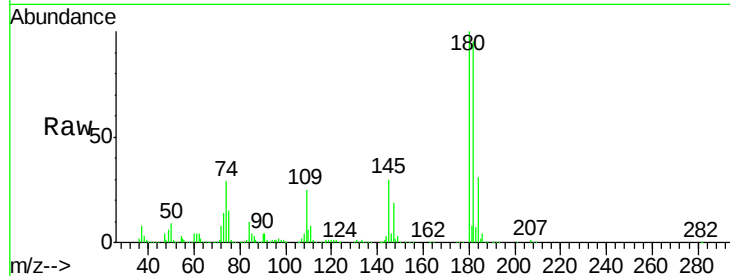
#93
1,2,4-Trichlorobenzene
Concen: 52.900 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW008471.D
Acq: 30 Jan 2019 18:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	288991		
182	96.4	47.9	143.7	
145	31.2	15.5	46.5	

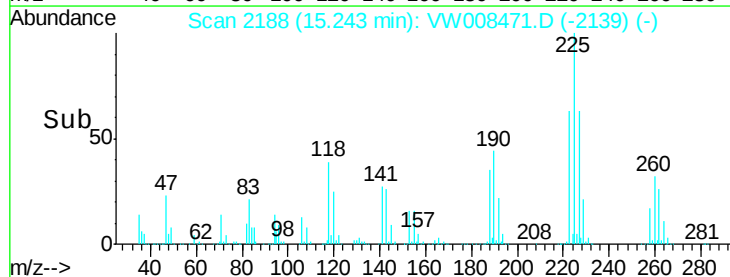
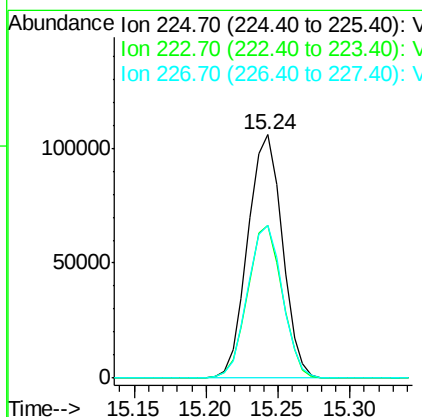
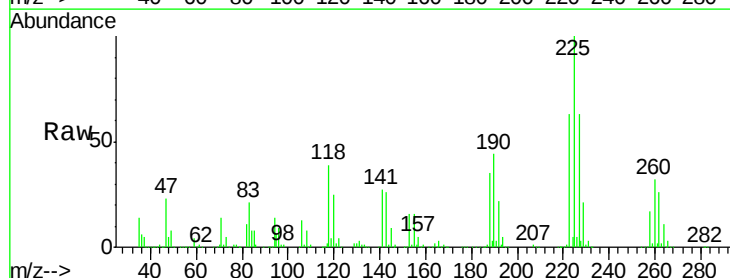
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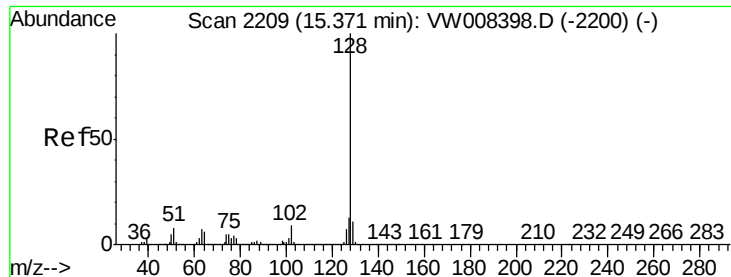
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#94
Hexachlorobutadiene
Concen: 53.263 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW008471.D
Acq: 30 Jan 2019 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	175359		
223	62.9	31.7	95.1	
227	63.5	32.1	96.3	





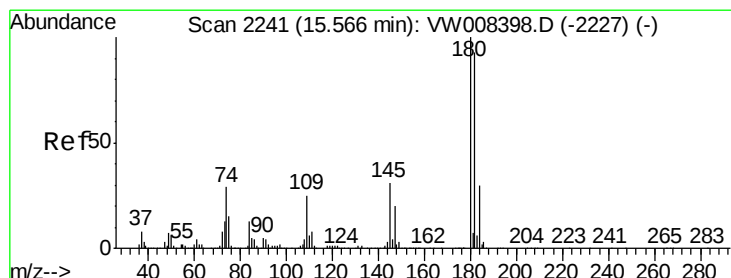
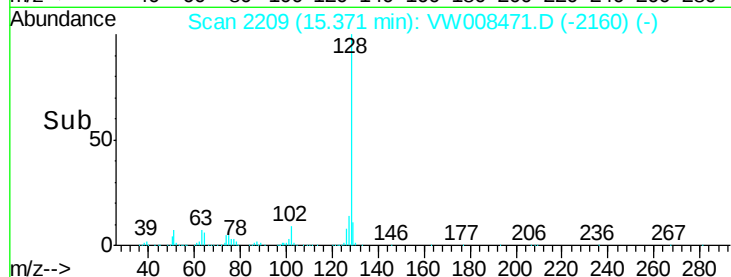
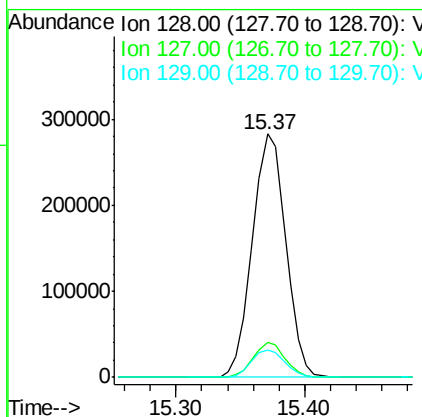
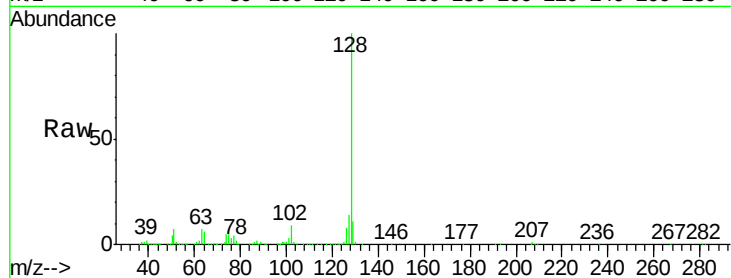
#95
Naphthalene
Concen: 52.881 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008471.D
Acq: 30 Jan 2019 18:04

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.6	15.8
129	11.3	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/1/2019 10:47:15 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.787 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008471.D
Acq: 30 Jan 2019 18:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.0	141.2
145	32.2	15.9	47.6

