

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW013019\
 Data File : VW008455.D
 Acq On : 30 Jan 2019 10:09
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/1/2019 10:46:59 AM

Quant Time: Jan 31 01:37:53 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	451505	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	682312	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	579966	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	289156	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	199777	45.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.08%	
35) Dibromofluoromethane	7.88	113	205326	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
50) Toluene-d8	10.32	98	818187	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
62) 4-Bromofluorobenzene	12.62	95	290212	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	128725	49.379	ug/l	100
3) Chloromethane	2.21	50	149994	40.698	ug/l	100
4) Vinyl Chloride	2.37	62	232570	49.572	ug/l	98
5) Bromomethane	2.78	94	162393	53.664	ug/l	93
6) Chloroethane	2.93	64	155213	54.096	ug/l	96
7) Trichlorofluoromethane	3.26	101	188174	46.481	ug/l	98
8) Diethyl Ether	3.68	74	103969	46.175	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	225026	55.104	ug/l	97
10) Methyl Iodide	4.26	142	349955	54.255	ug/l	99
11) Tert butyl alcohol	5.17	59	76533	214.308	ug/l	95
12) 1,1-Dichloroethene	4.03	96	216327	52.345	ug/l	97
13) Acrolein	3.89	56	67194	213.875	ug/l	99
14) Allyl chloride	4.66	41	371916	47.392	ug/l	97
15) Acrylonitrile	5.36	53	208068	214.000	ug/l	100
16) Acetone	4.12	43	273902	274.979	ug/l	97
17) Carbon Disulfide	4.37	76	637103	48.268	ug/l	100
18) Methyl Acetate	4.67	43	109475	41.206	ug/l	94
19) Methyl tert-butyl Ether	5.42	73	313266	45.814	ug/l	100
20) Methylene Chloride	4.90	84	213713	46.550	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	232007	49.935	ug/l	96
22) Diisopropyl ether	6.31	45	665254	44.729	ug/l	96
23) Vinyl Acetate	6.25	43	1860635	211.863	ug/l	99
24) 1,1-Dichloroethane	6.21	63	403276	47.902	ug/l	98
25) 2-Butanone	7.16	43	317236	229.293	ug/l	96
26) 2,2-Dichloropropane	7.16	77	292283	51.362	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	250488	49.468	ug/l	97
28) Bromochloromethane	7.51	49	154618	39.986	ug/l	95
29) Tetrahydrofuran	7.52	42	176421	201.222	ug/l	95
30) Chloroform	7.67	83	407484	49.209	ug/l	99
31) Cyclohexane	7.95	56	385542	44.289	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	366064	51.182	ug/l	99
36) 1,1-Dichloropropene	8.08	75	335977	52.128	ug/l	98
37) Ethyl Acetate	7.25	43	122664	43.017	ug/l	98
38) Carbon Tetrachloride	8.07	117	356583	54.979	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	422811	49.937	ug/l	96
40) Benzene	8.32	78	903915	50.542	ug/l	99
41) Methacrylonitrile	7.48	41	76817	45.496	ug/l	99
42) 1,2-Dichloroethane	8.40	62	248676	47.980	ug/l	100
43) Isopropyl Acetate	8.42	43	251704	42.488	ug/l	96
44) Trichloroethene	9.09	130	262553	53.985	ug/l	99
45) 1,2-Dichloropropane	9.37	63	218237	48.940	ug/l	99
46) Dibromomethane	9.46	93	109610	47.790	ug/l	95
47) Bromodichloromethane	9.64	83	303422	50.015	ug/l	98
48) Methyl methacrylate	9.43	41	119876	41.384	ug/l	98
49) 1,4-Dioxane	9.44	88	41095	1060.004	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	620715	212.086	ug/l	100
52) Toluene	10.39	92	587878	49.795	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	302181	46.811	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	357437	48.792	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	150474	47.299	ug/l	97
56) Ethyl methacrylate	10.65	69	193423	43.390	ug/l	98
57) 1,3-Dichloropropane	10.93	76	267449	46.926	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	464302	214.370	ug/l	97
59) 2-Hexanone	10.97	43	491779	238.018	ug/l	100
60) Dibromochloromethane	11.13	129	199344	48.760	ug/l	100
61) 1,2-Dibromoethane	11.24	107	148042	46.931	ug/l	100
64) Tetrachloroethene	10.86	164	218209	55.570	ug/l	95
65) Chlorobenzene	11.66	112	633796	53.534	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	225573	53.254	ug/l	99
67) Ethyl Benzene	11.73	91	1157825	53.203	ug/l	99
68) m/p-Xylenes	11.84	106	892364	105.684	ug/l	98
69) o-Xylene	12.17	106	421649	52.556	ug/l	97
70) Styrene	12.18	104	680653	51.362	ug/l	98
71) Bromoform	12.35	173	116512	48.888	ug/l	99
73) Isopropylbenzene	12.47	105	1188826	55.148	ug/l	99
74) N-amyl acetate	12.27	43	245747	44.251	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	166124	48.675	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	123925m	49.294	ug/l	
77) Bromobenzene	12.75	156	256654	54.516	ug/l	93
78) n-propylbenzene	12.80	91	1421211	54.891	ug/l	99
79) 2-Chlorotoluene	12.90	91	780795	53.441	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	976987	54.222	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	60247	47.332	ug/l	99
82) 4-Chlorotoluene	12.99	91	814366	52.352	ug/l	98
83) tert-Butylbenzene	13.21	119	892571	55.667	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	990539	54.086	ug/l	100
85) sec-Butylbenzene	13.39	105	1266103	55.291	ug/l	99
86) p-Isopropyltoluene	13.50	119	1125305	56.102	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	519970	54.688	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	510488	54.025	ug/l	99
89) n-Butylbenzene	13.83	91	1078977	54.786	ug/l	99
90) Hexachloroethane	14.10	117	218812	55.782	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	450128	53.505	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	28806	44.483	ug/l	99

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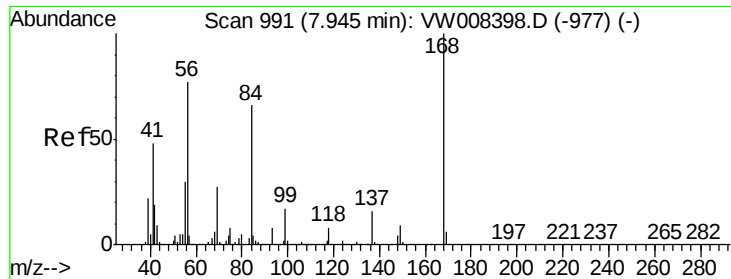
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	325364	54.196	ug/l	98
94) Hexachlorobutadiene	15.24	225	211092	58.344	ug/l	99
95) Naphthalene	15.37	128	527831	50.073	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	269335	52.887	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: VW008455.D

Acq: 30 Jan 2019 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 451505

Ion Ratio Lower Upper

168 100

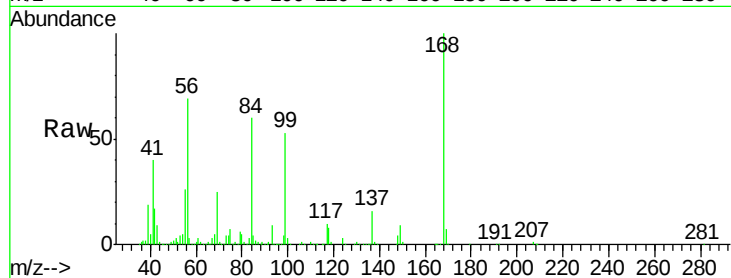
99 52.6 45.5 68.3

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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

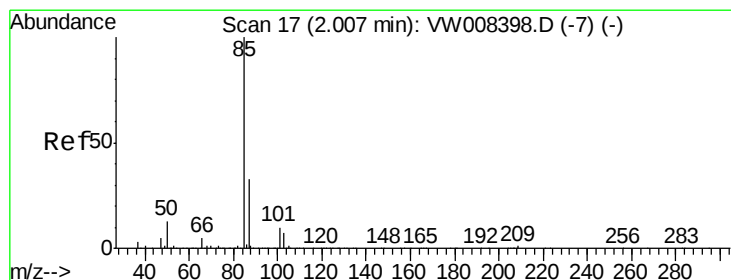
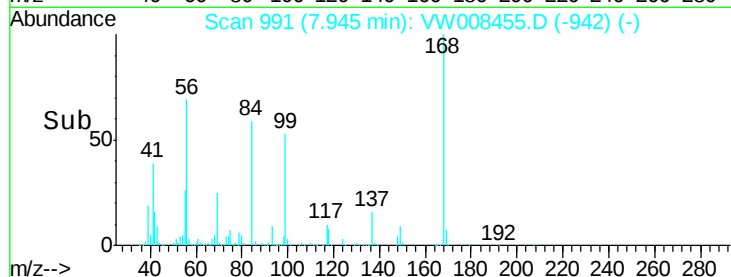
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 49.379 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW008455.D

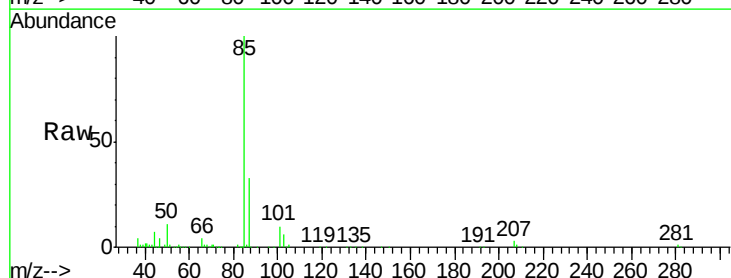
Acq: 30 Jan 2019 10:09

Tgt Ion: 85 Resp: 128725

Ion Ratio Lower Upper

85 100

87 33.2 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

40000

30000

20000

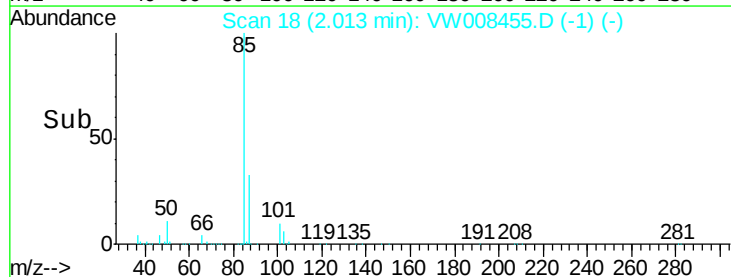
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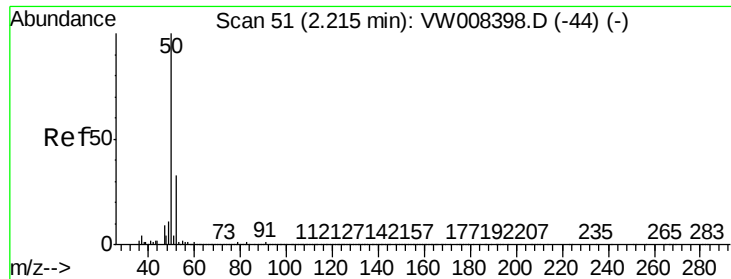
0

2.00

2.20

Time-->





#3

Chloromethane

Concen: 40.698 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008455.D

Acq: 30 Jan 2019 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 149994

Ion Ratio Lower Upper

50 100

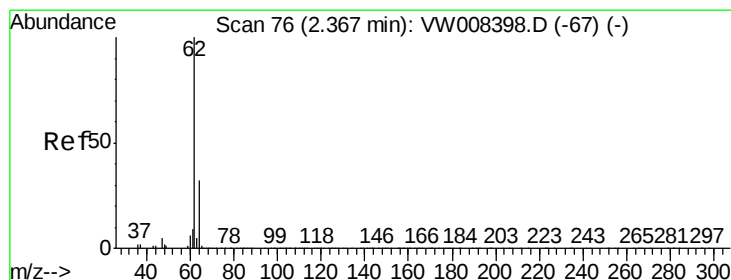
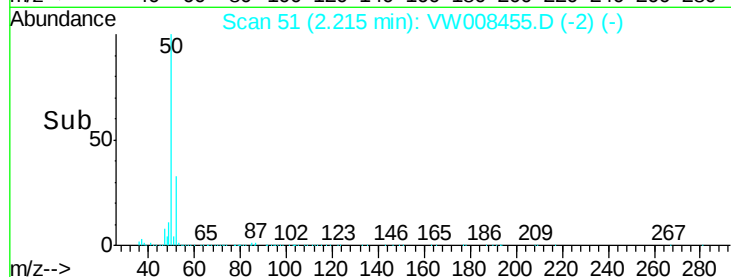
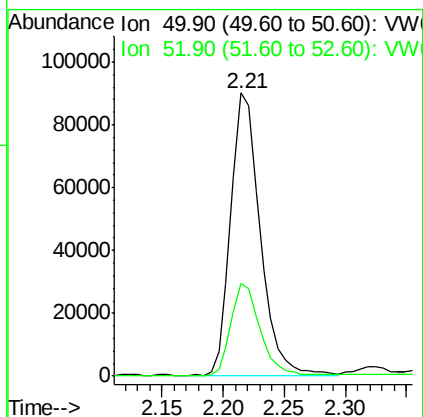
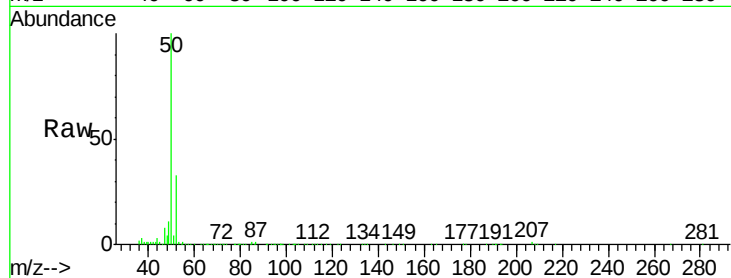
52 32.7 26.3 39.5

Manual Integrations

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2/1/2019 10:46:59 AM



#4

Vinyl Chloride

Concen: 49.572 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW008455.D

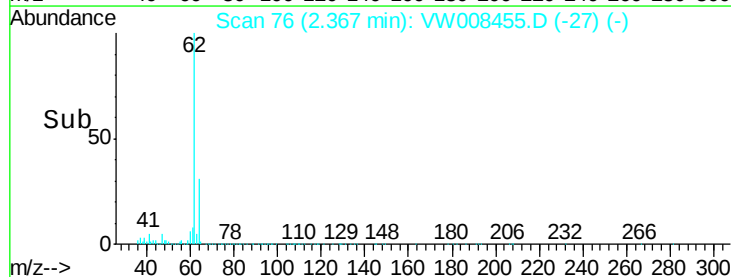
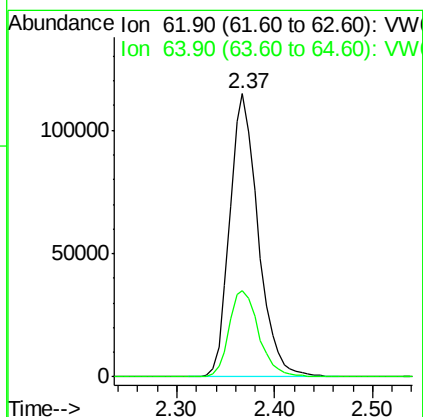
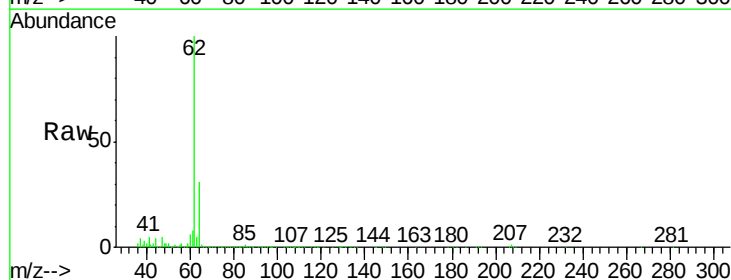
Acq: 30 Jan 2019 10:09

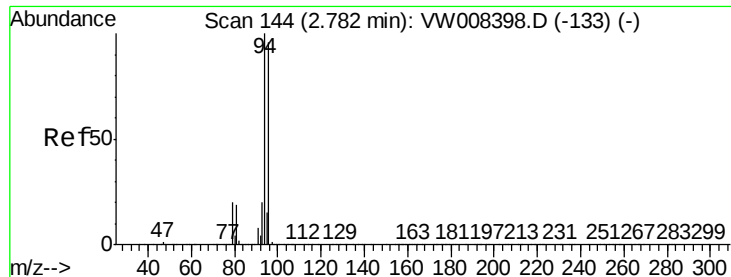
Tgt Ion: 62 Resp: 232570

Ion Ratio Lower Upper

62 100

64 30.6 25.5 38.3





#5

Bromomethane

Concen: 53.664 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW008455.D

Acq: 30 Jan 2019 10:09

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 162393

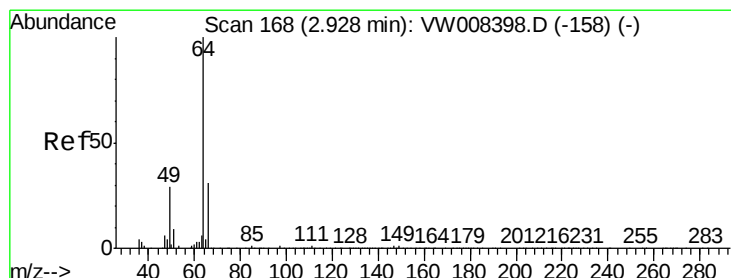
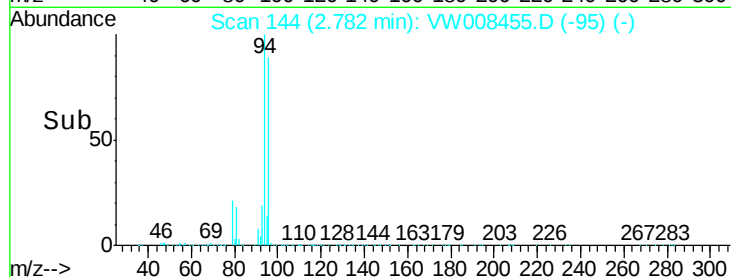
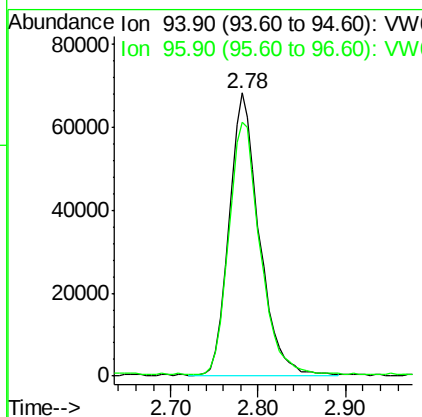
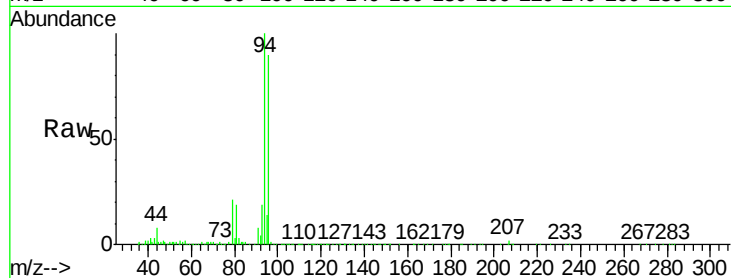
Ion Ratio Lower Upper

94 100

96 89.5 77.2 115.8

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2/1/2019 10:46:59 AM



#6

Chloroethane

Concen: 54.096 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW008455.D

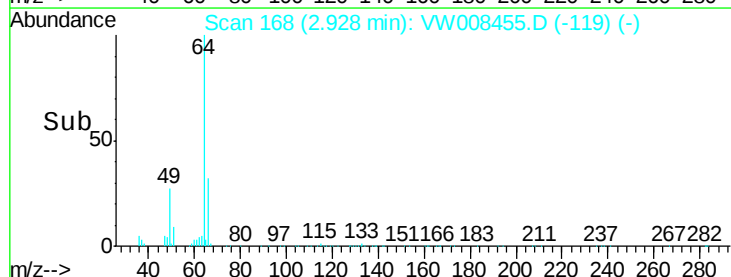
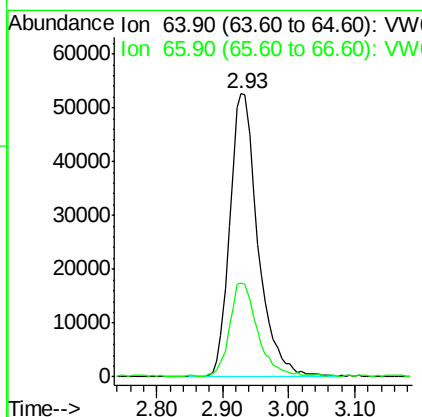
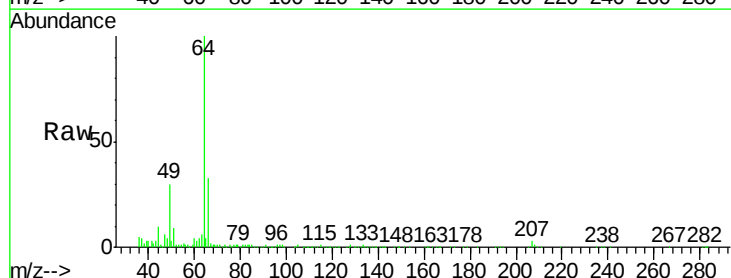
Acq: 30 Jan 2019 10:09

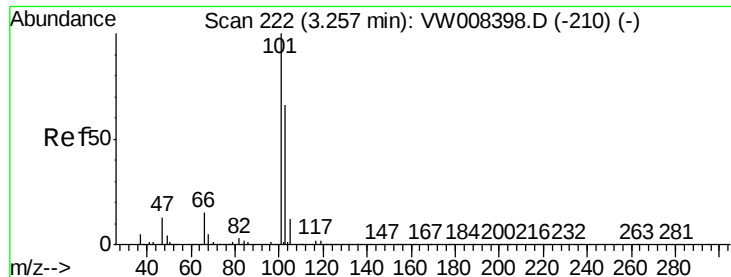
Tgt Ion: 64 Resp: 155213

Ion Ratio Lower Upper

64 100

66 33.0 24.9 37.3





#7

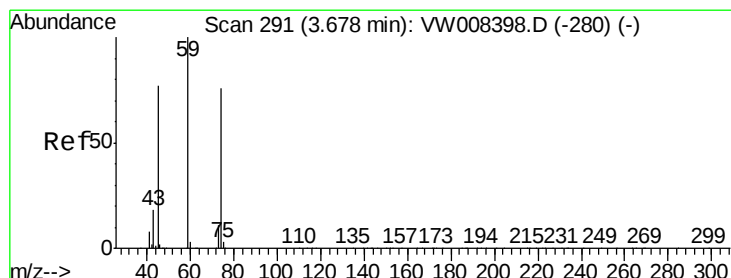
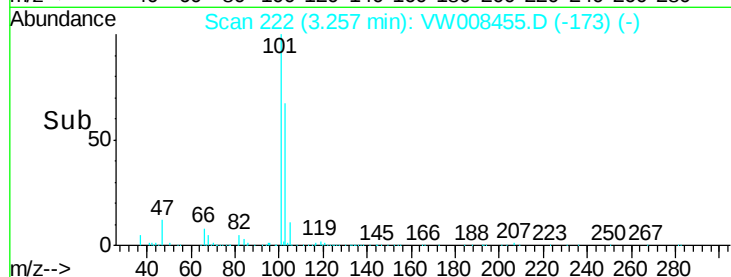
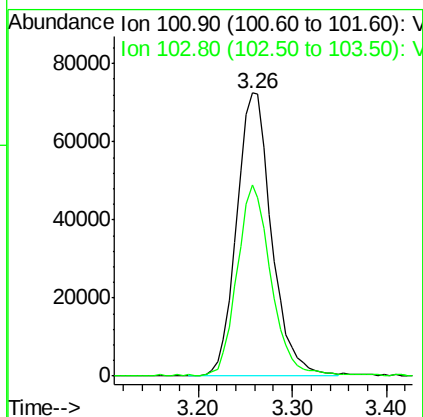
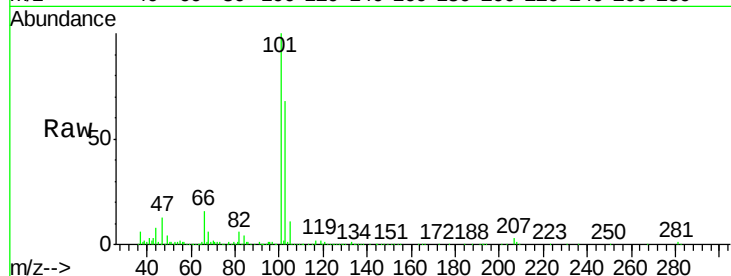
Trichlorofluoromethane
Concen: 46.481 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.3	52.5	78.7

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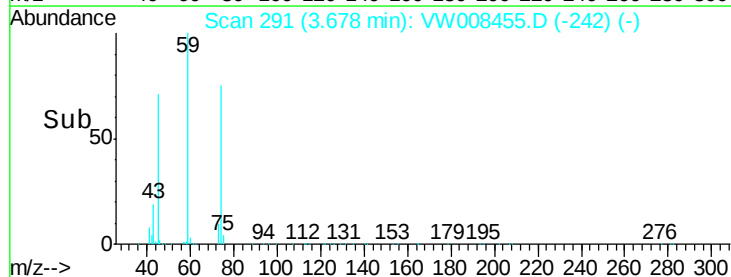
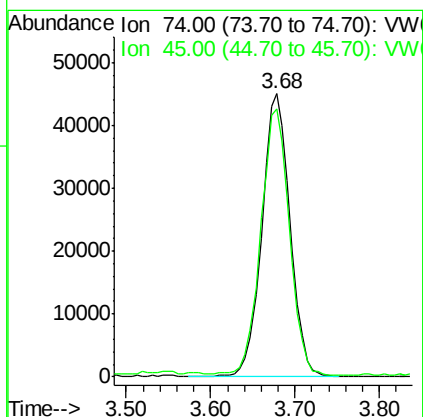
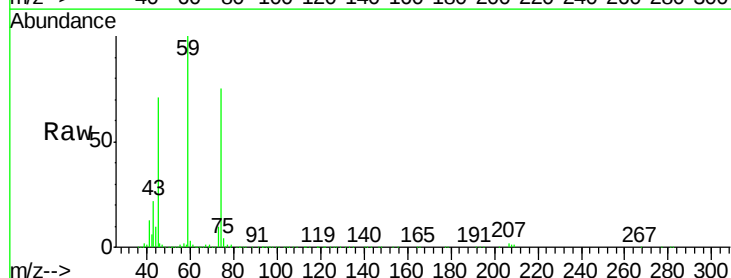
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2/1/2019 10:46:59 AM



#8

Diethyl Ether
Concen: 46.175 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.9	51.7	155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.104 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW008455.D

Acq: 30 Jan 2019 10:09

Instrument :

MSVOA_W

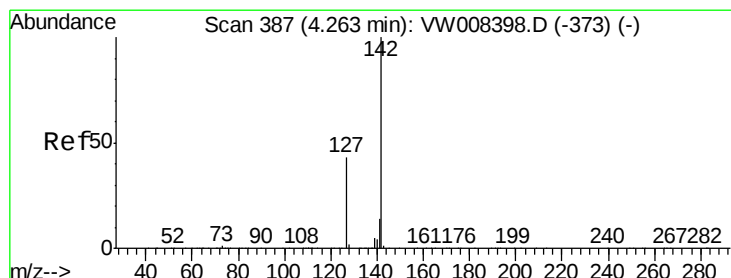
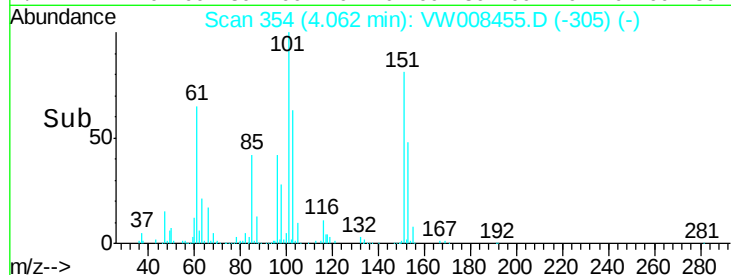
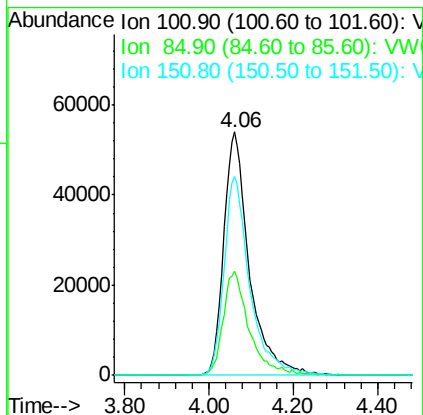
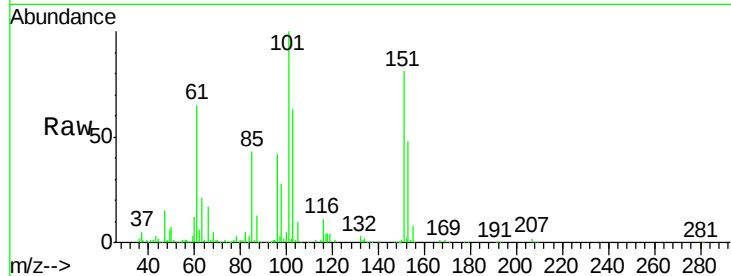
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	225026
Ion Ratio	Lower	Upper	
101	100		
85	42.8	35.0	52.4
151	81.9	62.6	94.0

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2/1/2019 10:46:59 AM



#10

Methyl Iodide

Concen: 54.255 ug/l

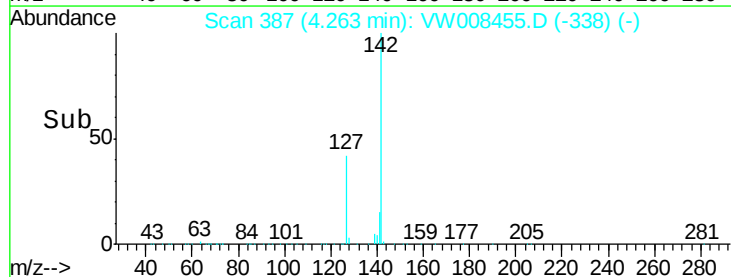
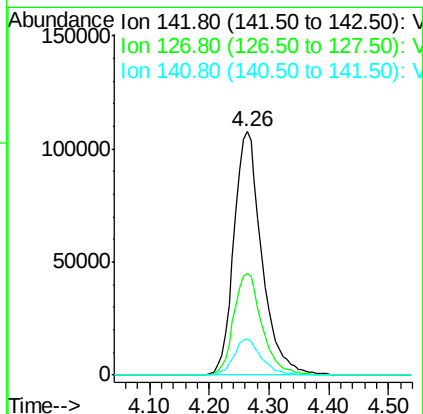
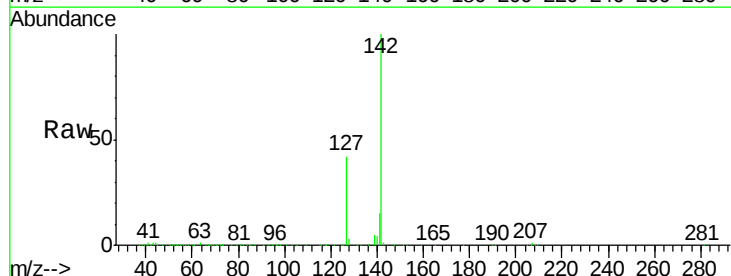
RT: 4.26 min Scan# 387

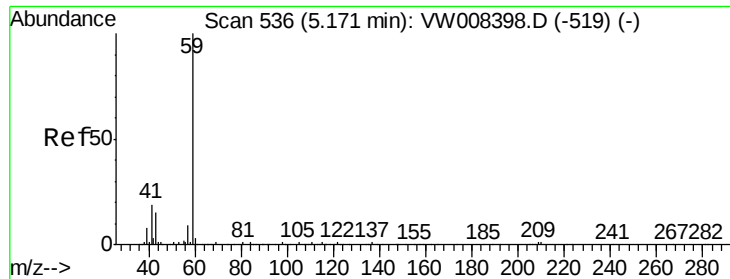
Delta R.T. -0.00 min

Lab File: VW008455.D

Acq: 30 Jan 2019 10:09

Tgt Ion:	142	Resp:	349955
Ion Ratio	Lower	Upper	
142	100		
127	42.6	34.6	52.0
141	14.8	11.4	17.2





#11

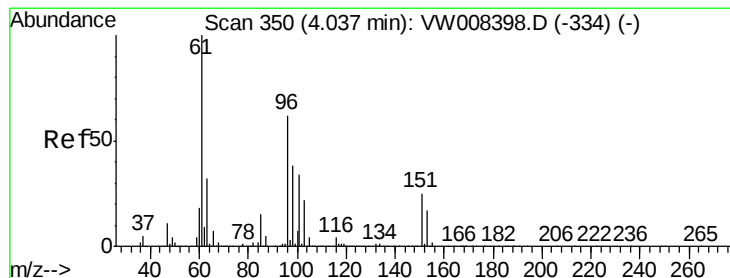
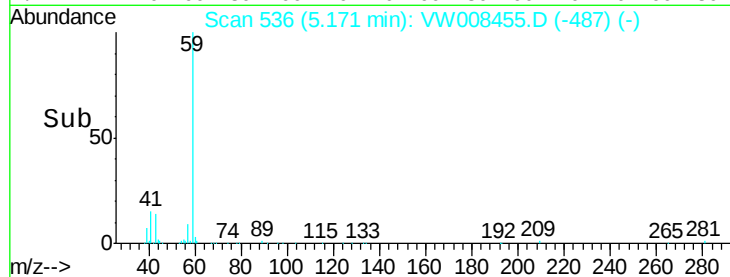
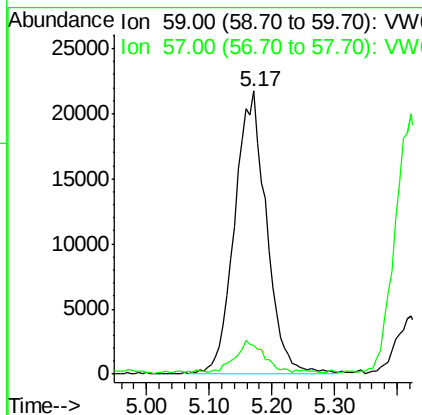
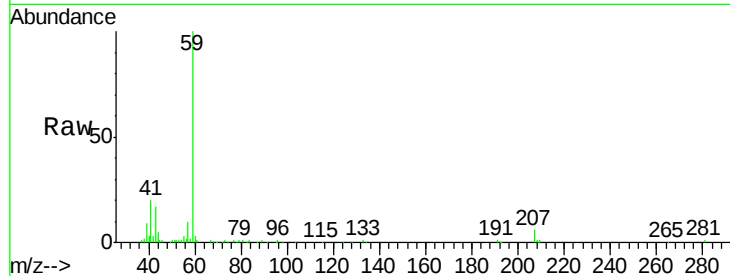
Tert butyl alcohol
Concen: 214.308 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	9.3	13.9

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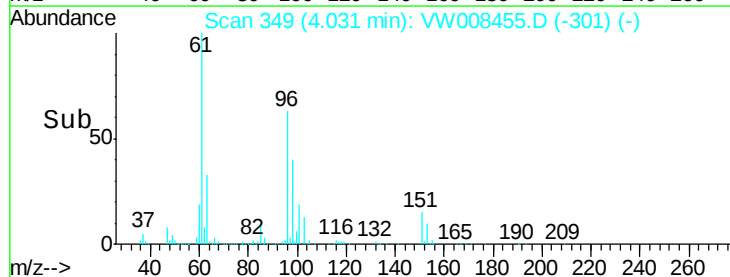
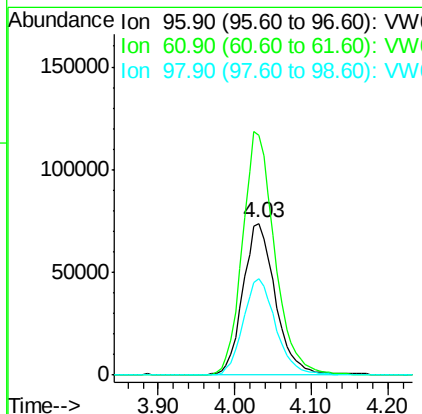
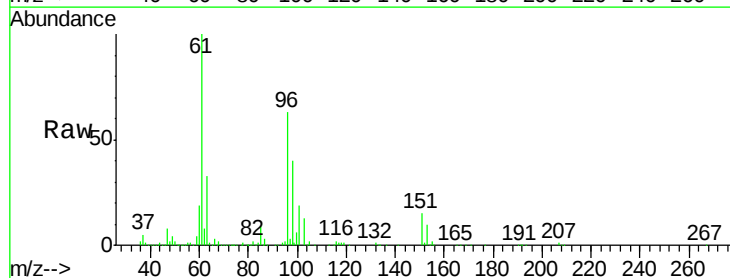
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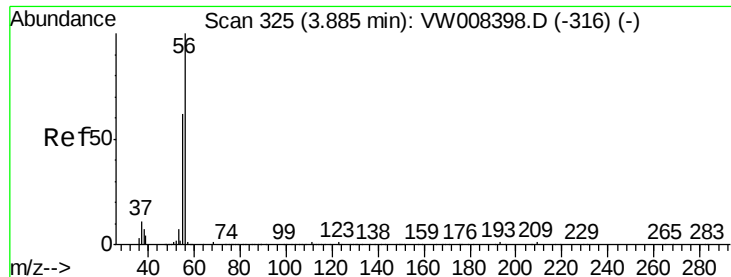


#12

1,1-Dichloroethene
Concen: 52.345 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.5	129.5	194.3
98	64.0	48.6	73.0





#13

Acrolein

Concen: 213.875 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW008455.D

Acq: 30 Jan 2019 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 67194

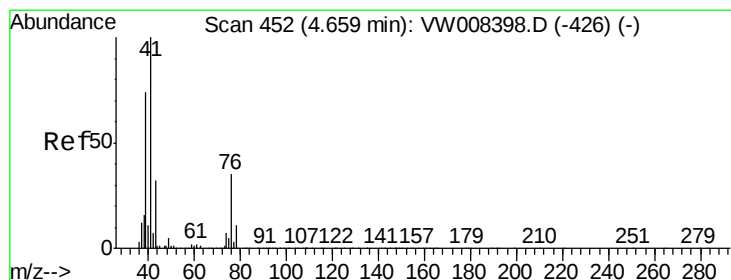
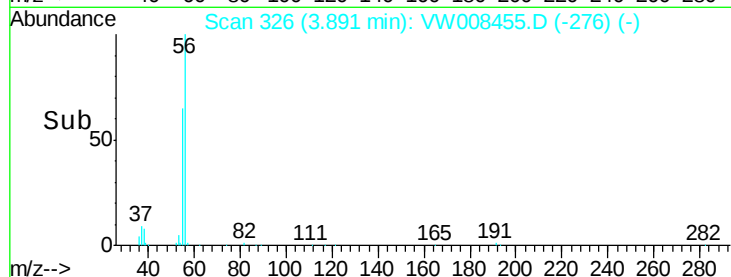
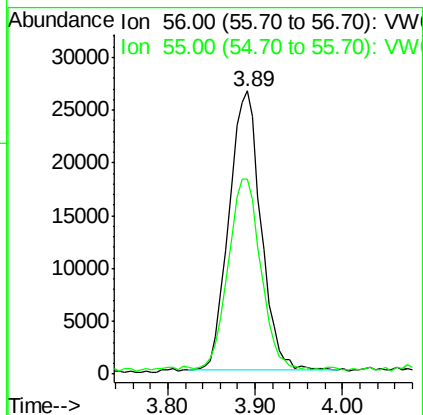
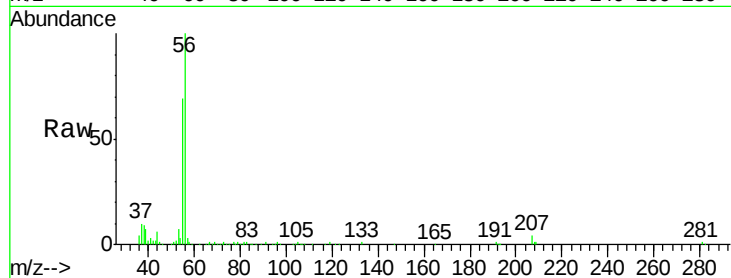
Ion Ratio Lower Upper

56 100

55 69.9 56.7 85.1

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2/1/2019 10:46:59 AM



#14

Allyl chloride

Concen: 47.392 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW008455.D

Acq: 30 Jan 2019 10:09

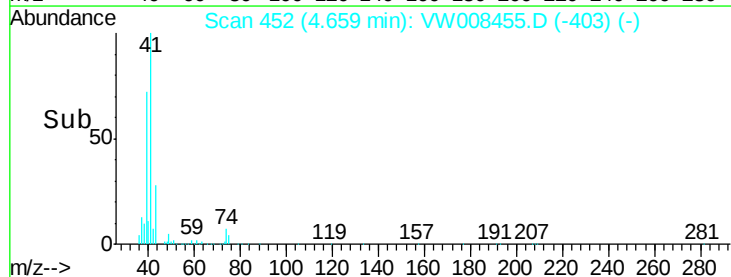
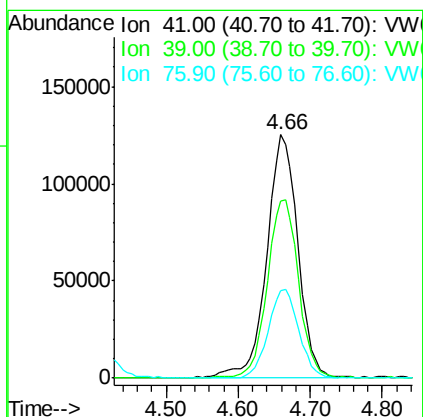
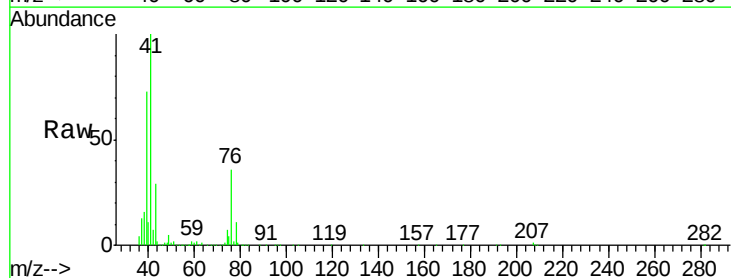
Tgt Ion: 41 Resp: 371916

Ion Ratio Lower Upper

41 100

39 73.7 57.7 86.5

76 35.8 26.9 40.3





#15

Acrylonitrile

Concen: 214.000 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW008455.D

Acq: 30 Jan 2019 10:09

Instrument :

MSVOA_W

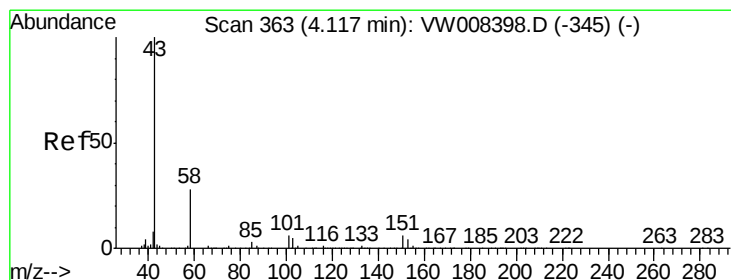
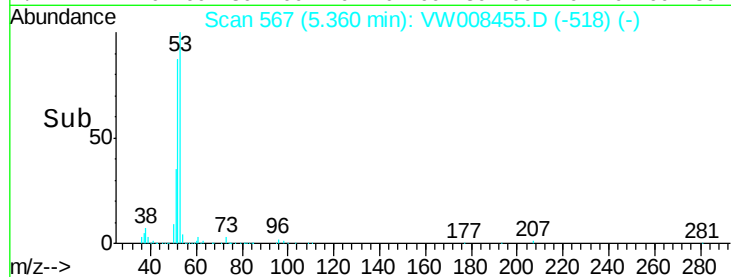
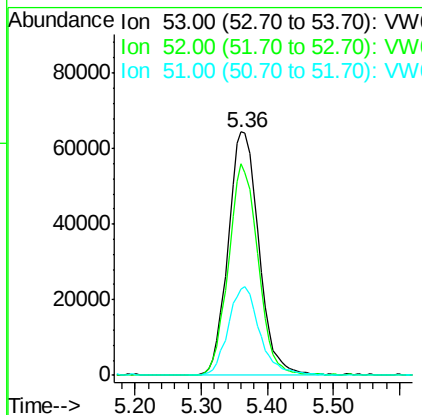
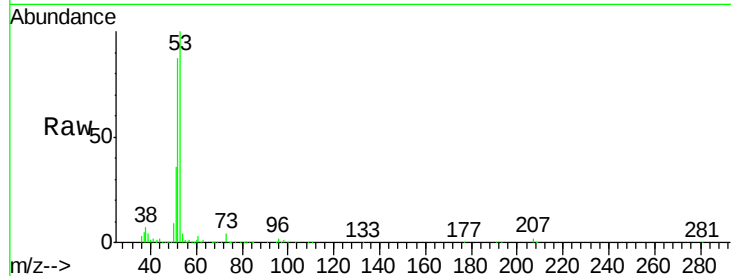
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	208068
Ion Ratio		Lower	Upper
53	100		
52	83.7	67.0	100.4
51	37.4	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 274.979 ug/l

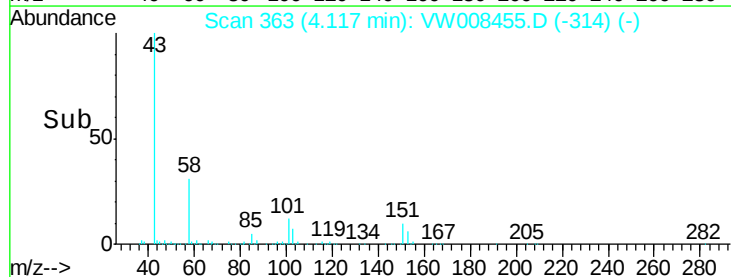
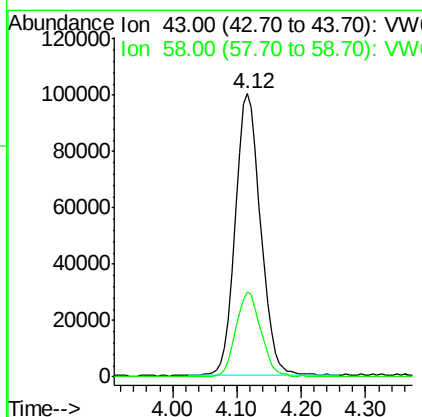
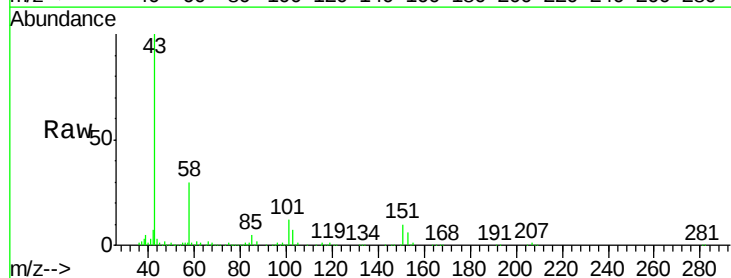
RT: 4.12 min Scan# 363

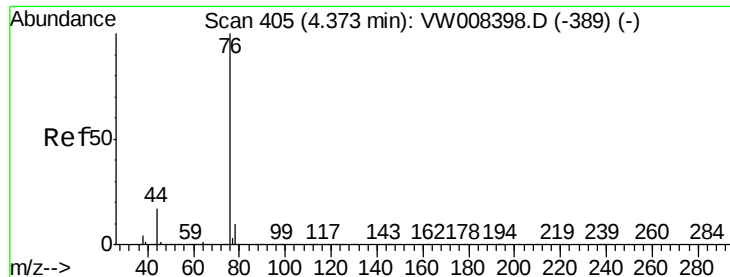
Delta R.T. -0.00 min

Lab File: VW008455.D

Acq: 30 Jan 2019 10:09

Tgt Ion:	43	Resp:	273902
Ion Ratio		Lower	Upper
43	100		
58	30.1	22.6	34.0





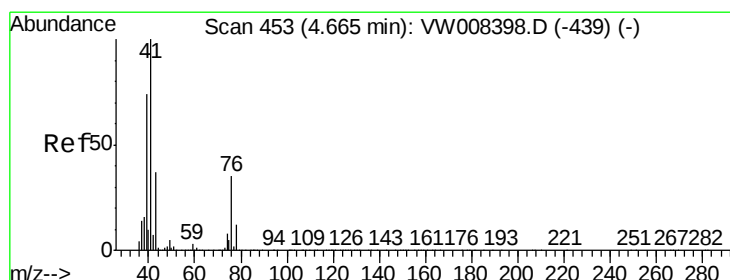
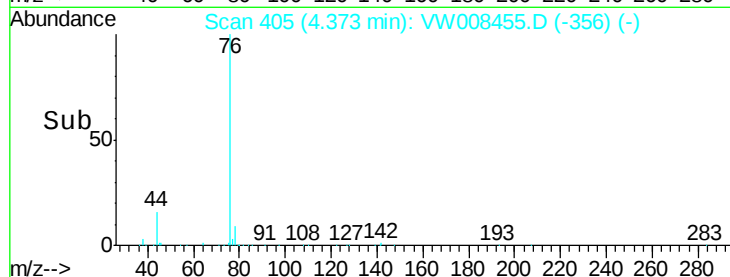
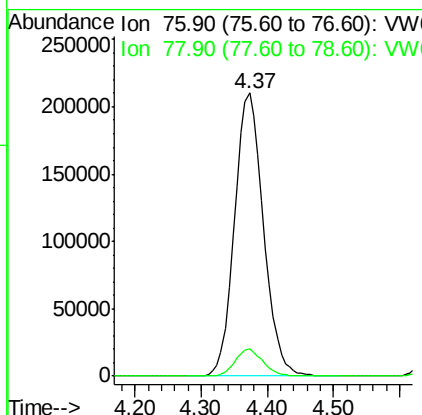
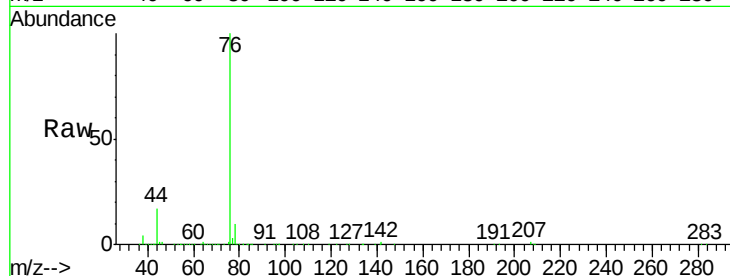
#17
Carbon Disulfide
Concen: 48.268 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.7	11.5

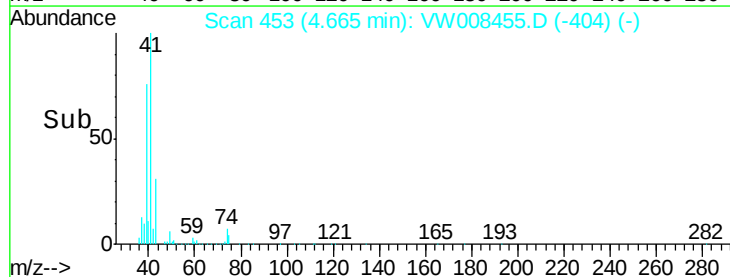
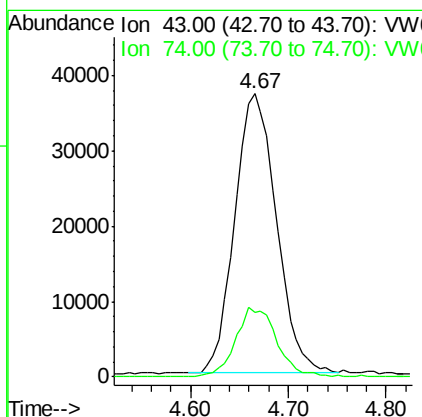
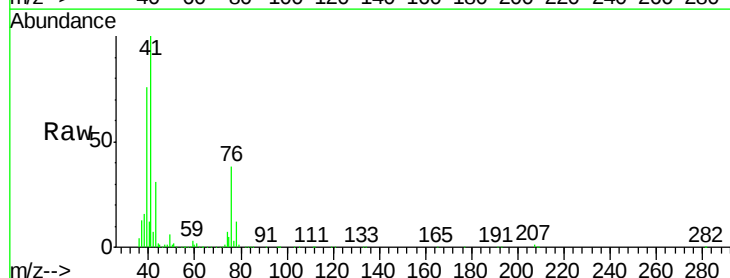
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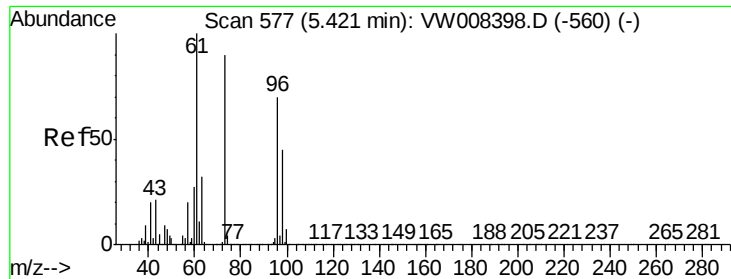
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#18
Methyl Acetate
Concen: 41.206 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	17.5	26.3





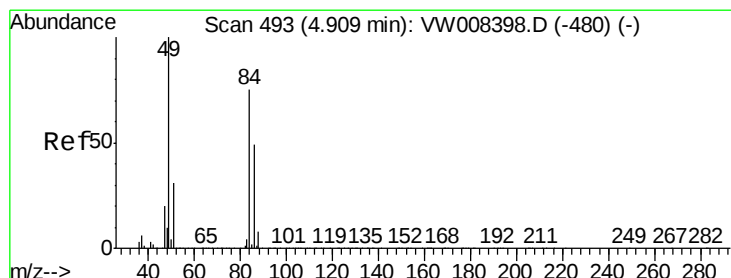
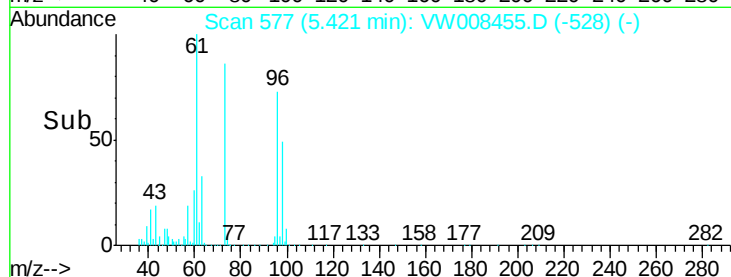
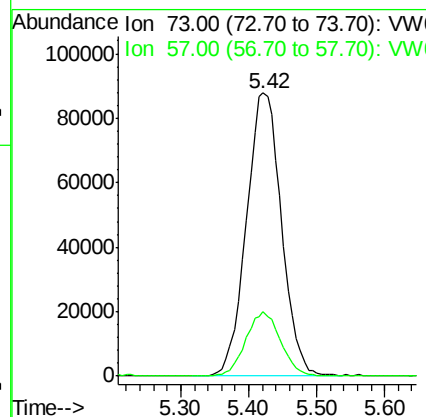
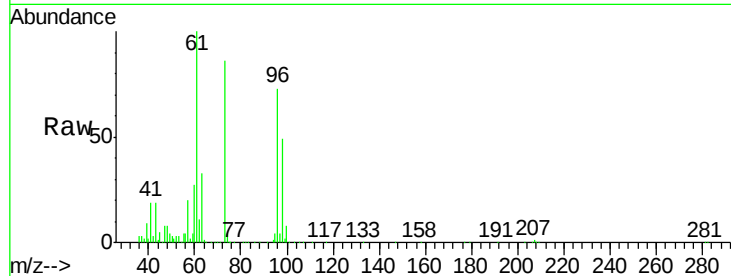
#19
Methvl tert-butvl Ether
Concen: 45.814 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 313266
Ion Ratio Lower Upper
73 100
57 22.6 18.0 27.0

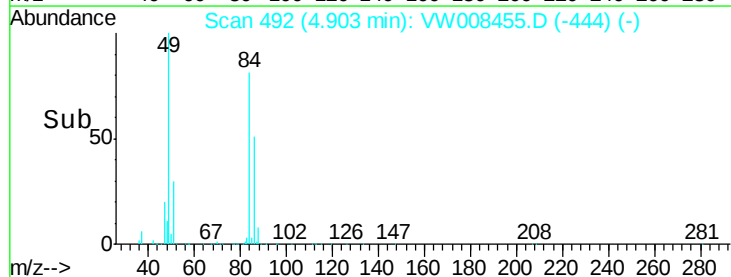
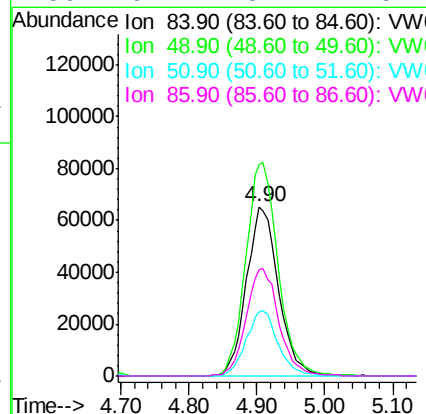
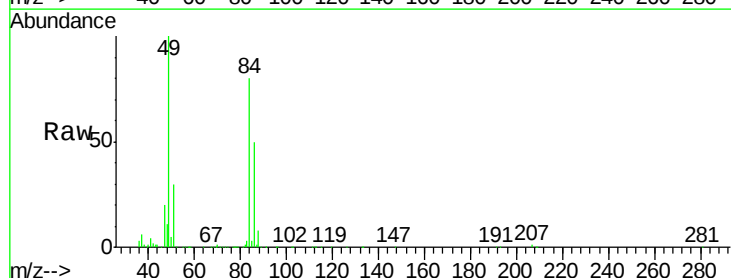
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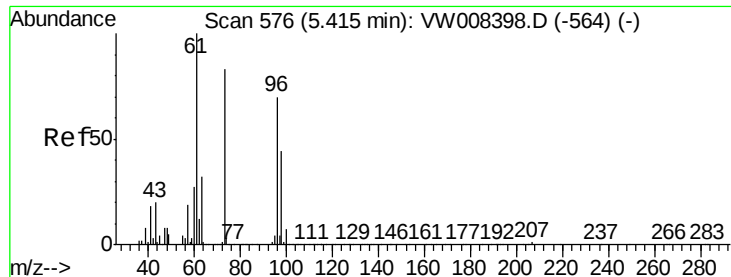
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#20
Methylene Chloride
Concen: 46.550 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Tgt Ion: 84 Resp: 213713
Ion Ratio Lower Upper
84 100
49 124.3 106.8 160.2
51 37.5 32.9 49.3
86 62.7 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 49.935 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW008455.D

Acq: 30 Jan 2019 10:09

Instrument :

MSVOA_W

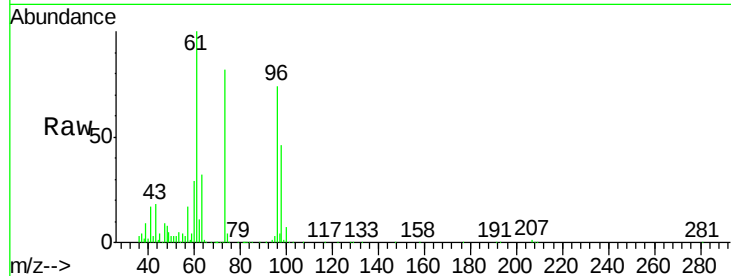
ClientSampled :

VSTDCCC050

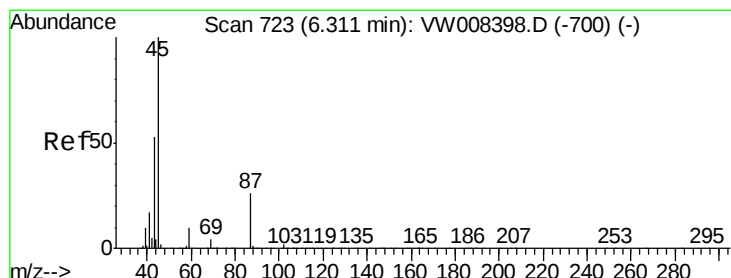
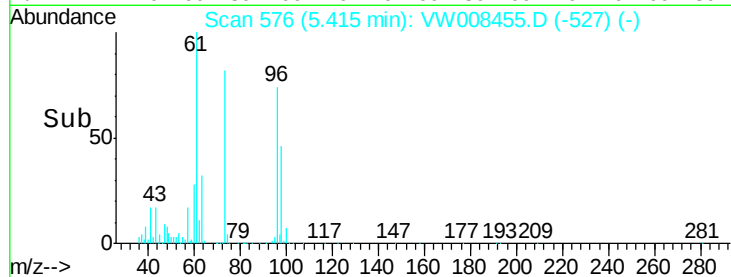
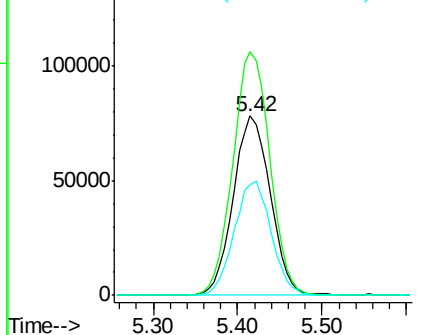
Tot Ion:	96	Resp:	232007
Ion	Ratio	Lower	Upper
96	100		
61	135.9	114.4	171.6
98	62.1	50.6	75.8

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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 44.729 ug/l

RT: 6.31 min Scan# 722

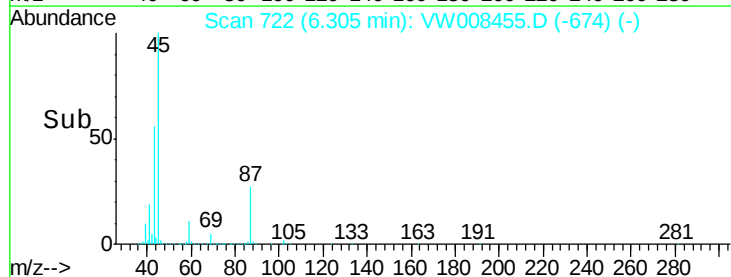
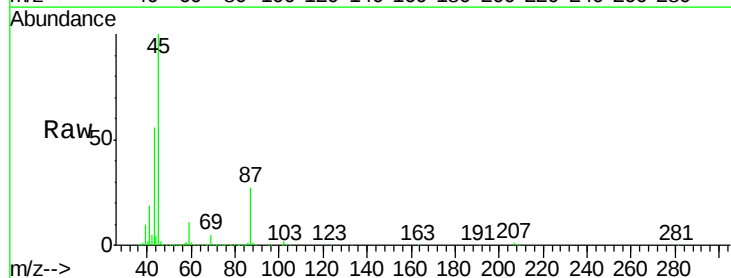
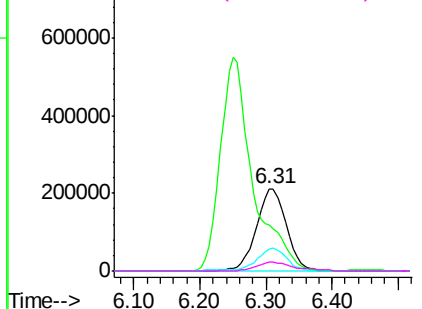
Delta R.T. -0.01 min

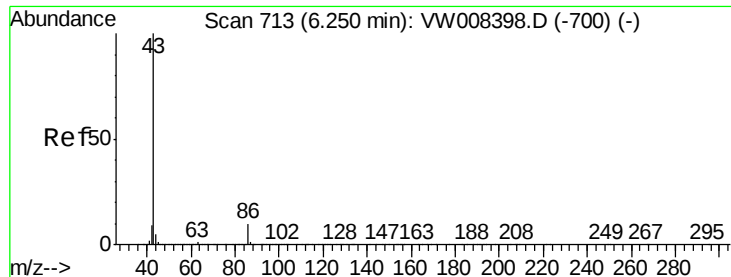
Lab File: VW008455.D

Acq: 30 Jan 2019 10:09

Tgt Ion:	45	Resp:	665254
Ion	Ratio	Lower	Upper
45	100		
43	56.3	42.6	63.8
87	26.7	20.3	30.5
59	11.2	8.4	12.6

Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 211.863 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW008455.D

Acq: 30 Jan 2019 10:09

Tot Ion: 43 Resp: 1860635

Ion Ratio Lower Upper

43 100

86 10.3 7.8 11.8

Instrument :

MSVOA_W

ClientSampleId :

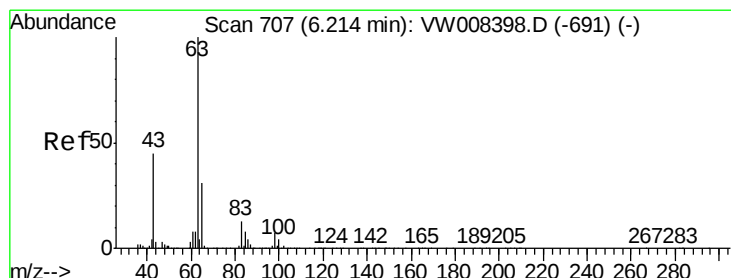
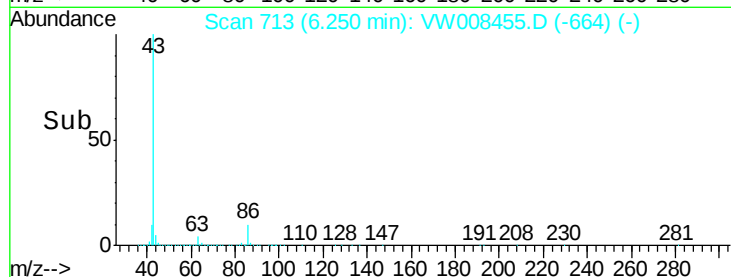
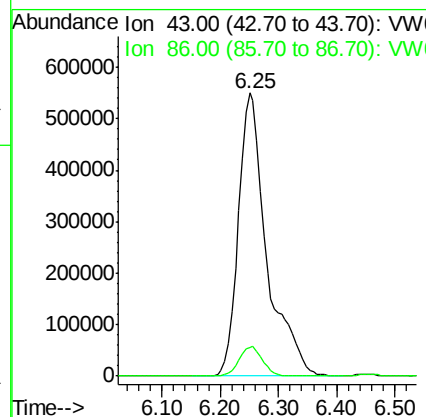
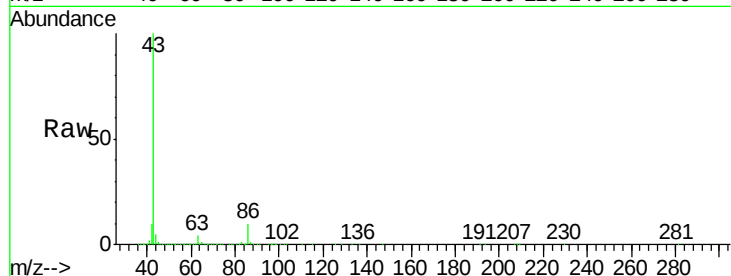
VSTDCCC050

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#24

1,1-Dichloroethane

Concen: 47.902 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW008455.D

Acq: 30 Jan 2019 10:09

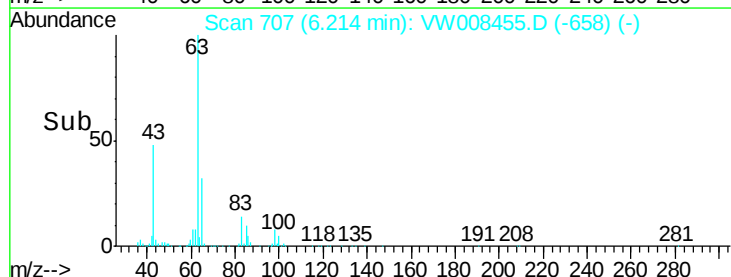
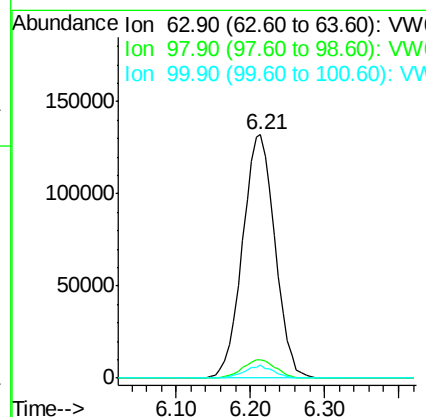
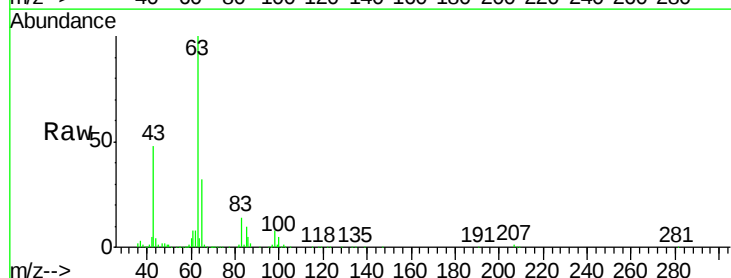
Tgt Ion: 63 Resp: 403276

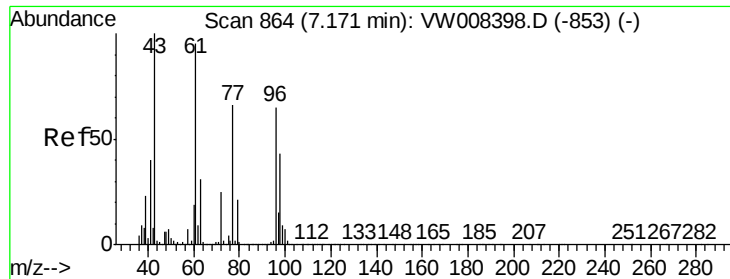
Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.5

100 5.2 2.1 6.2





#25

2-Butanone

Concen: 229.293 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008455.D

Acq: 30 Jan 2019 10:09

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 317236

Ion Ratio Lower Upper

43 100

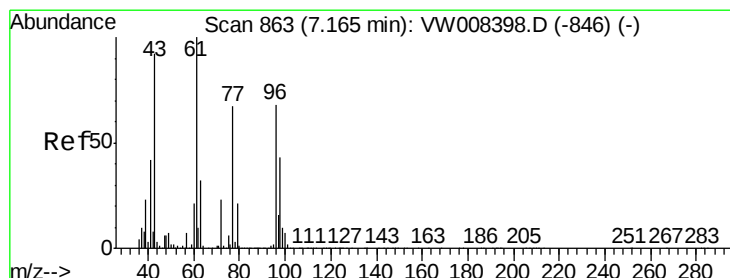
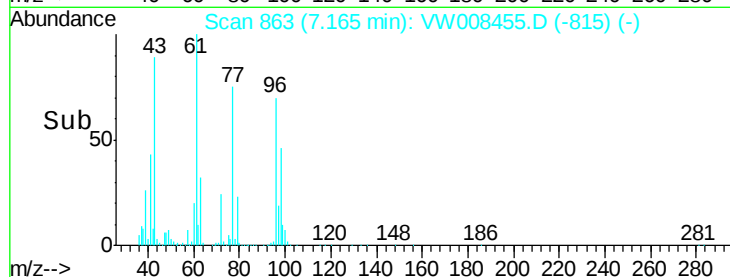
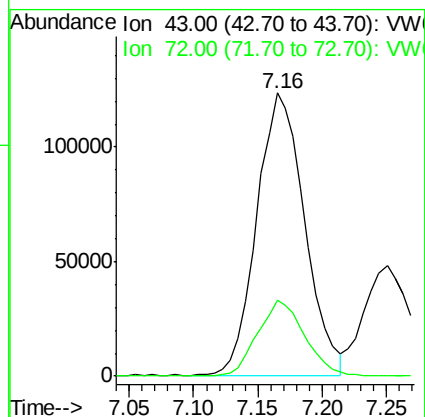
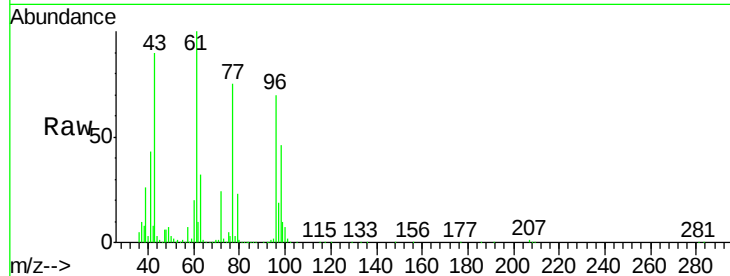
72 27.0 20.1 30.1

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2/1/2019 10:46:59 AM



#26

2,2-Dichloropropane

Concen: 51.362 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW008455.D

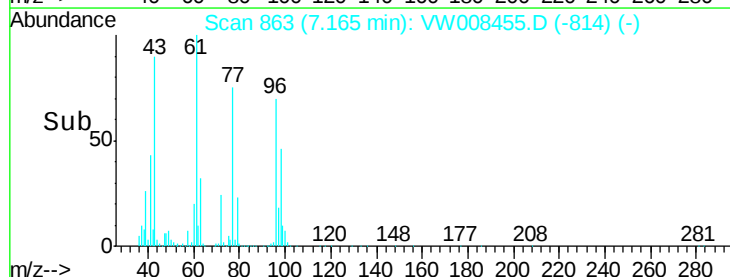
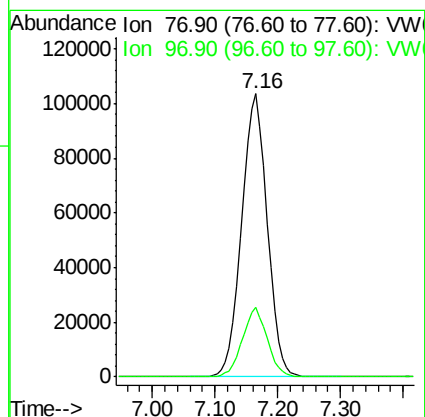
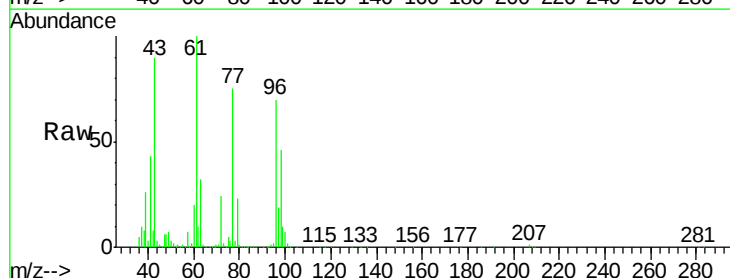
Acq: 30 Jan 2019 10:09

Tgt Ion: 77 Resp: 292283

Ion Ratio Lower Upper

77 100

97 23.8 11.5 34.5





#27

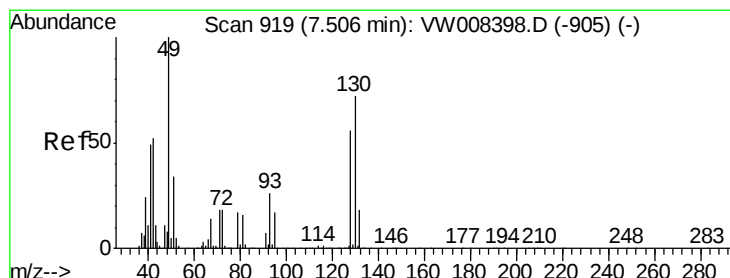
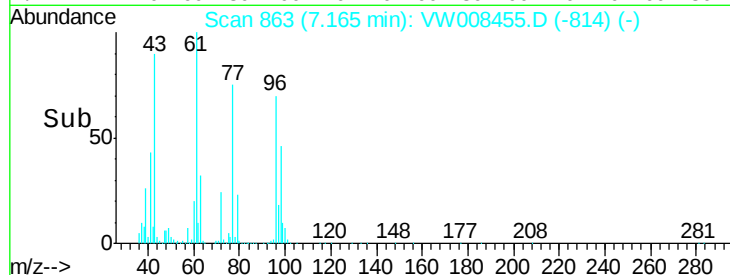
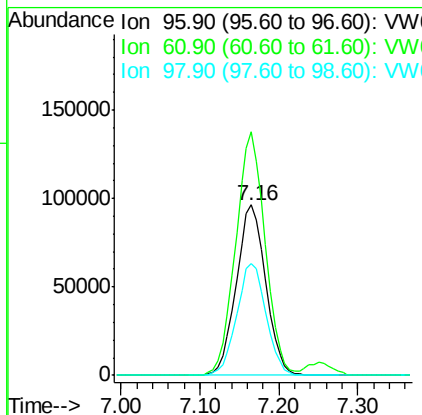
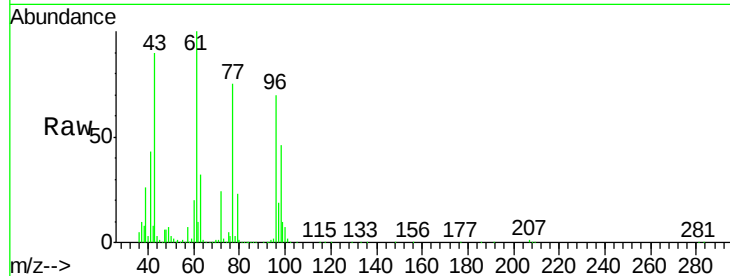
cis-1,2-Dichloroethene
Concen: 49.468 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	250488		
61	142.2	0.0	292.8	
98	65.2	0.0	129.2	

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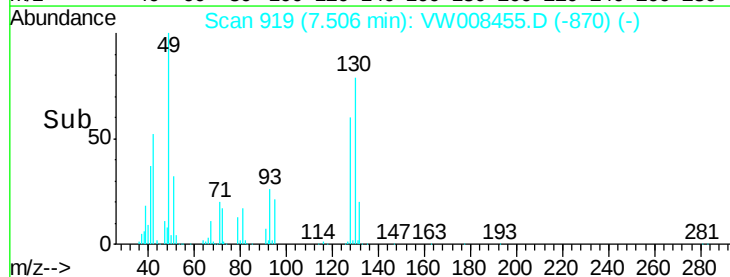
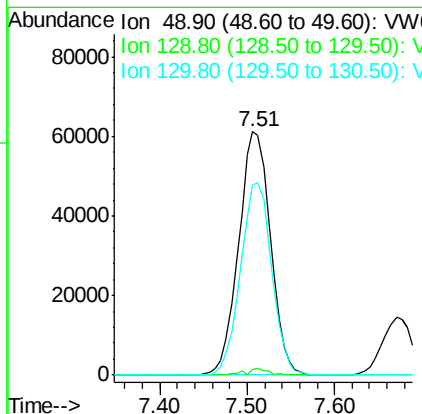
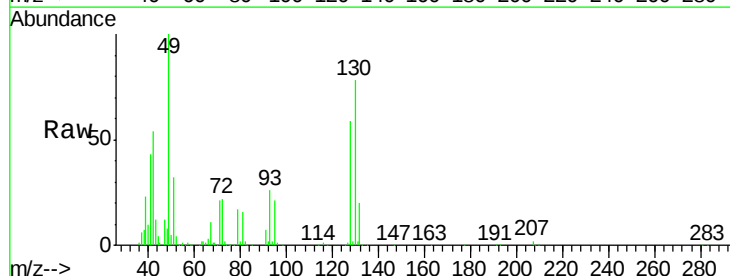
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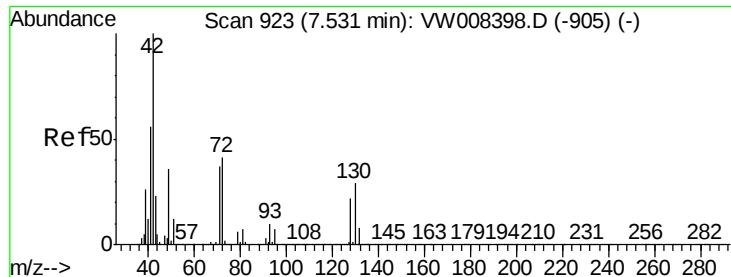


#28

Bromochloromethane
Concen: 39.986 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	154618		
129	1.8	0.0	4.6	
130	77.6	58.6	87.8	





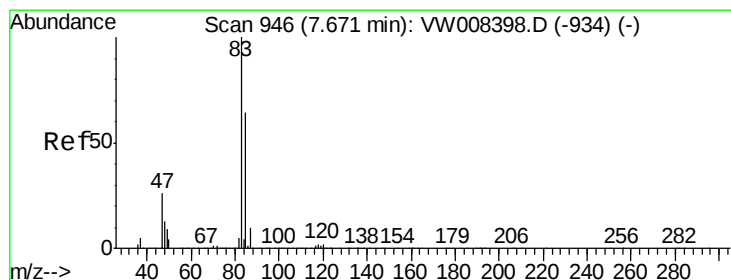
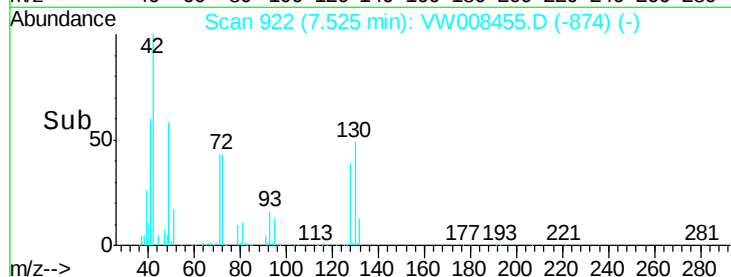
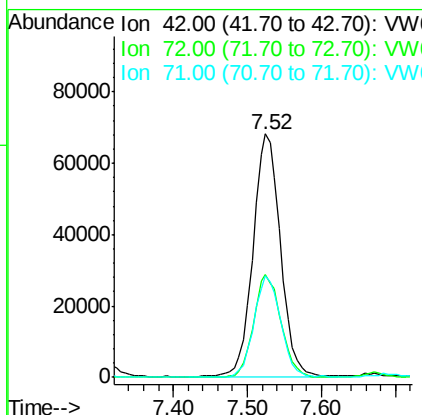
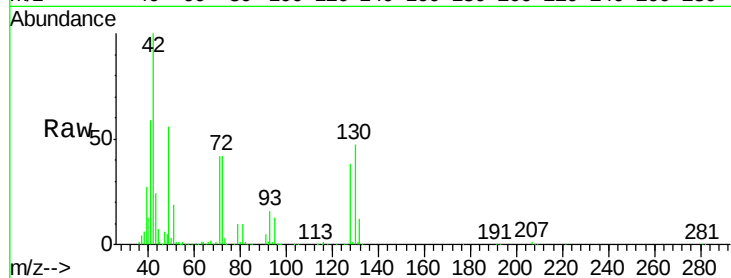
#29
Tetrahydrofuran
Concen: 201.222 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	31.9	47.9
71	40.8	29.9	44.9

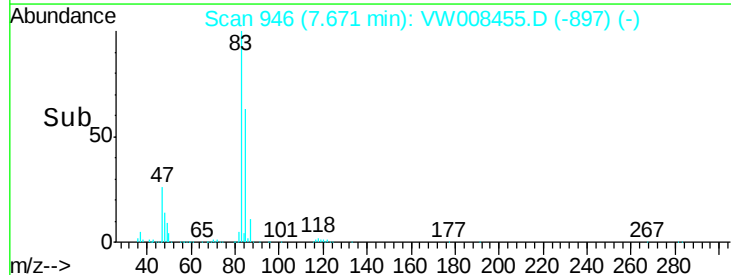
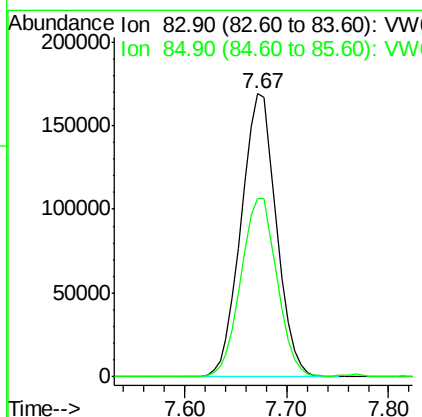
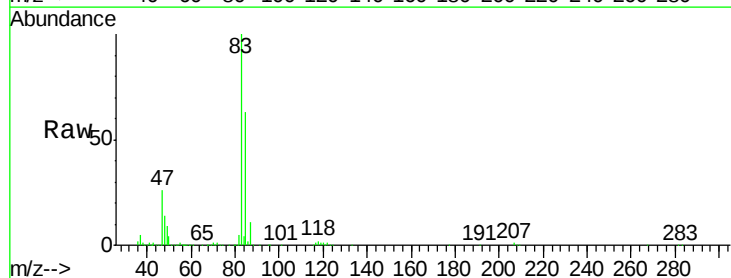
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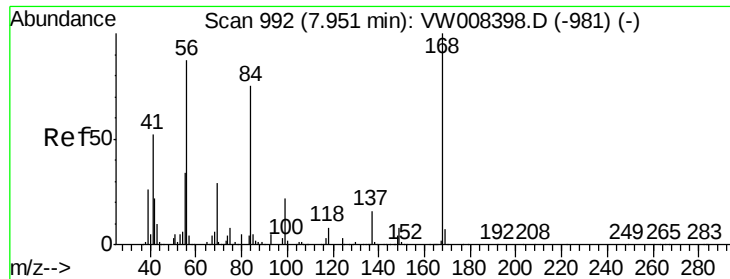
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#30
Chloroform
Concen: 49.209 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.9	76.3





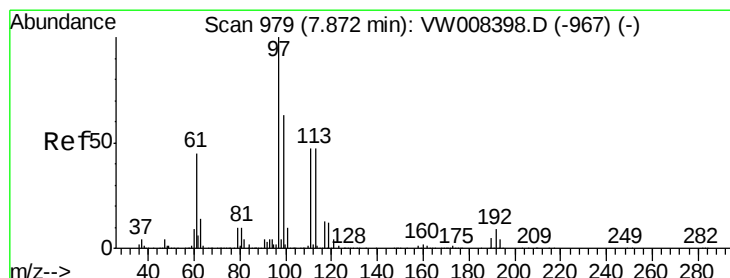
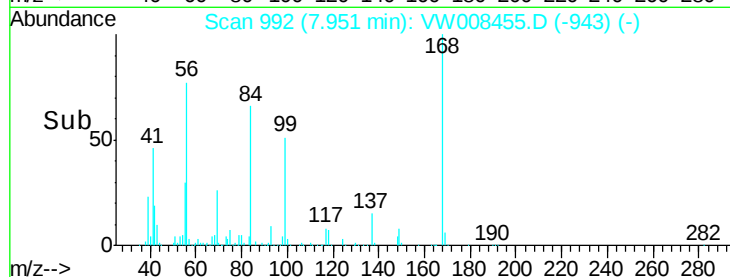
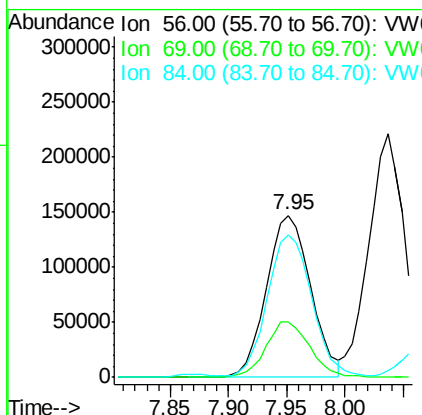
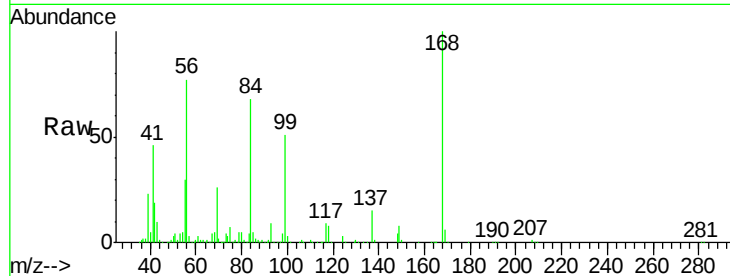
#31
Cyclohexane
Concen: 44.289 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.7	26.4	39.6
84	86.5	69.1	103.7

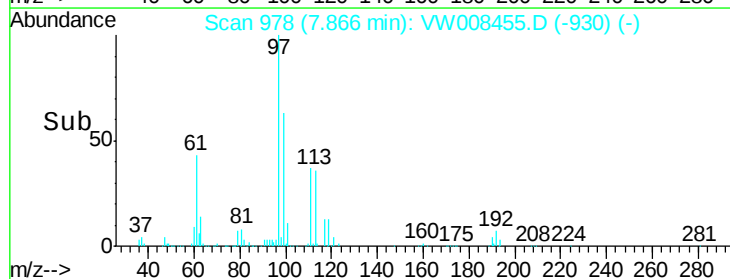
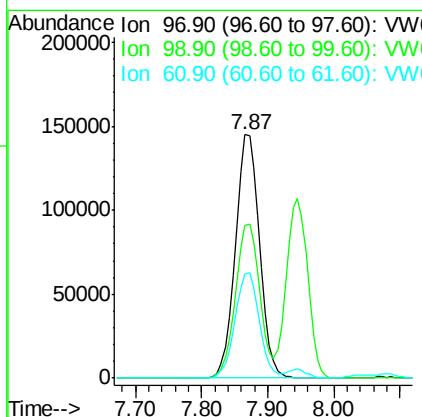
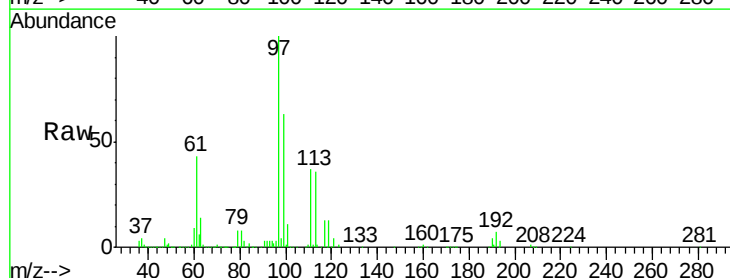
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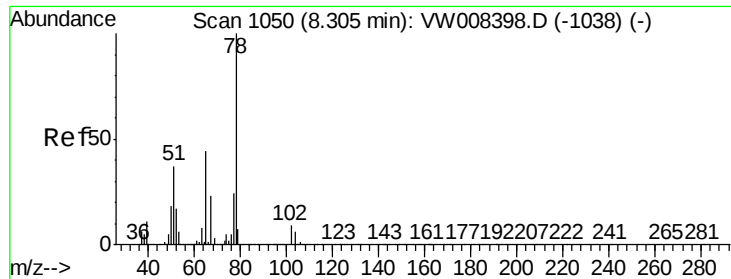
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2/1/2019 10:46:59 AM



#32
1,1,1-Trichloroethane
Concen: 51.182 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.3	76.9
61	43.6	36.2	54.4





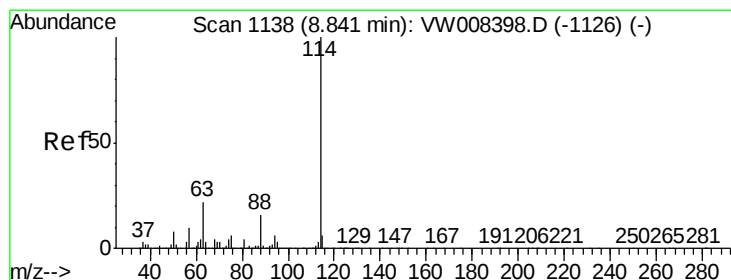
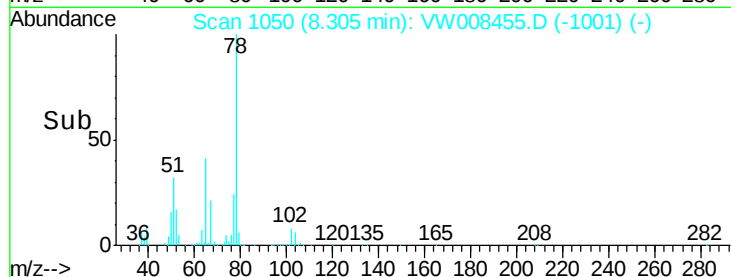
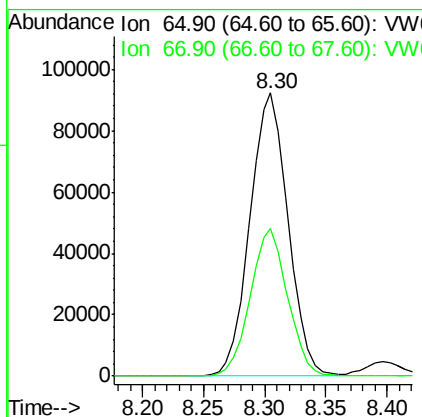
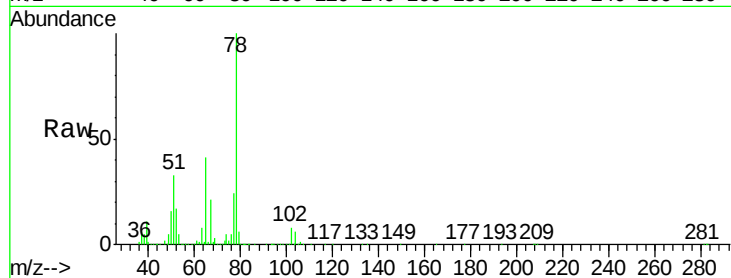
#33
 1,2-Dichloroethane-d4
 Concen: 45.039 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008455.D
 Acq: 30 Jan 2019 10:09

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	199777		
67	51.2	0.0	104.0	

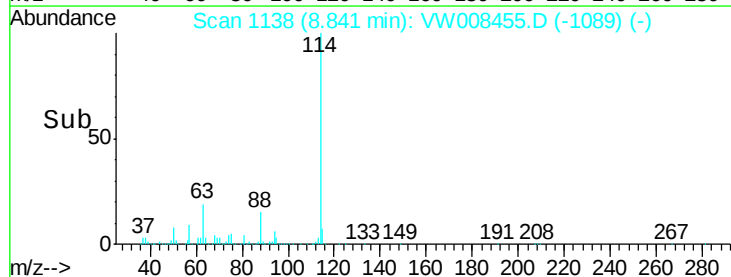
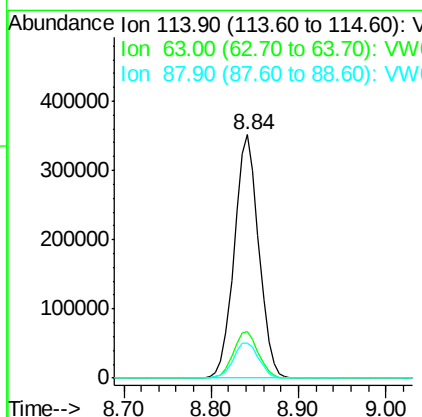
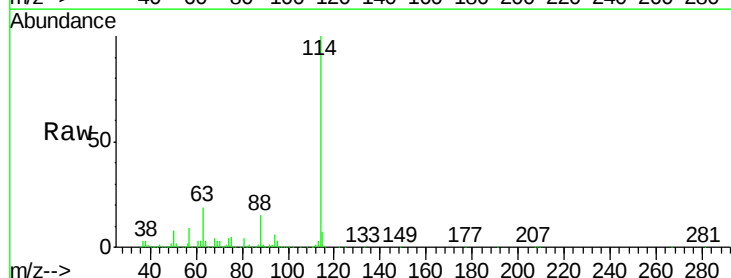
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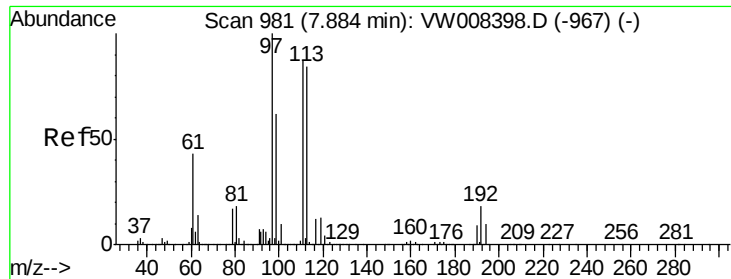
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 2/1/2019 10:46:59 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008455.D
 Acq: 30 Jan 2019 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	682312		
63	19.2	0.0	43.6	
88	14.6	0.0	31.8	





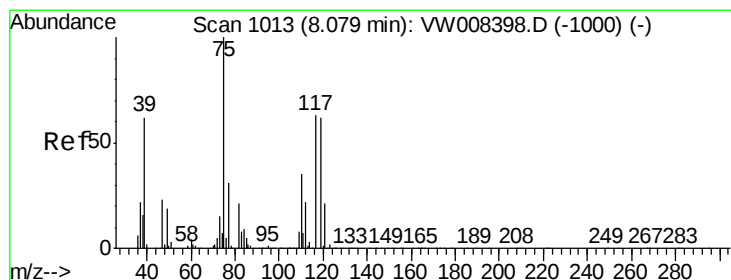
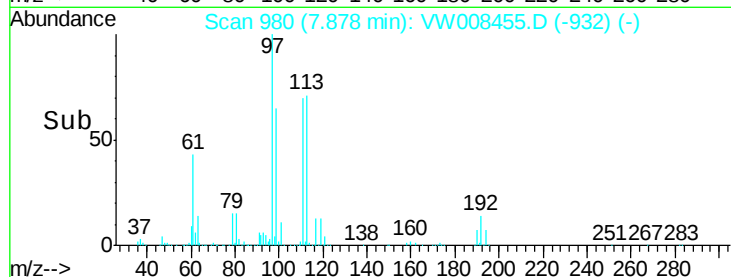
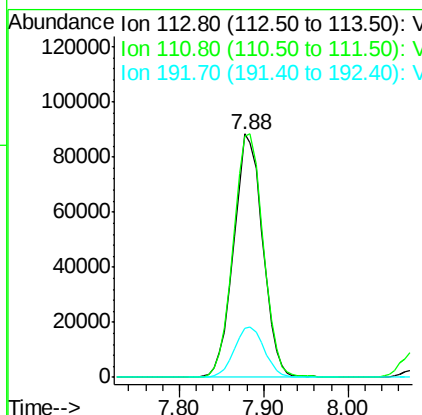
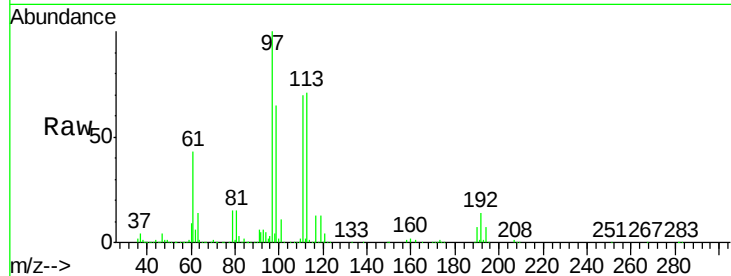
#35
Dibromofluoromethane
Concen: 51.464 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.0	121.4
192	21.4	16.8	25.2

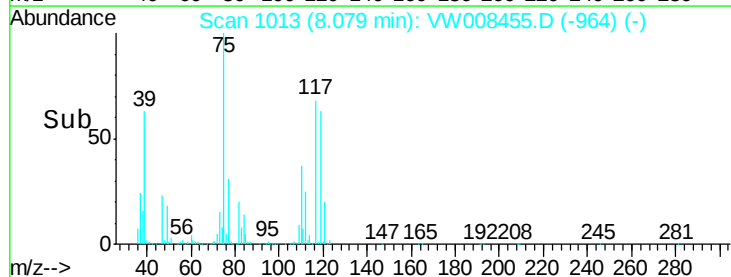
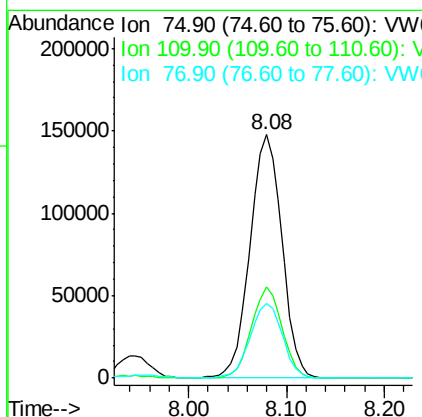
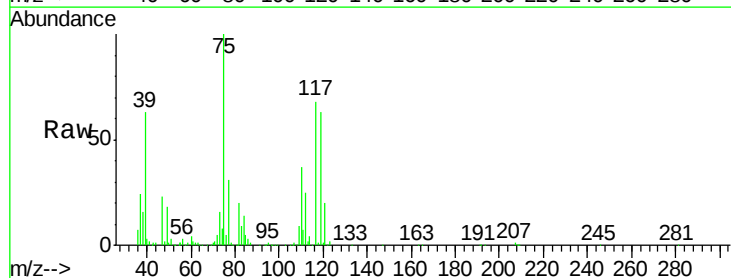
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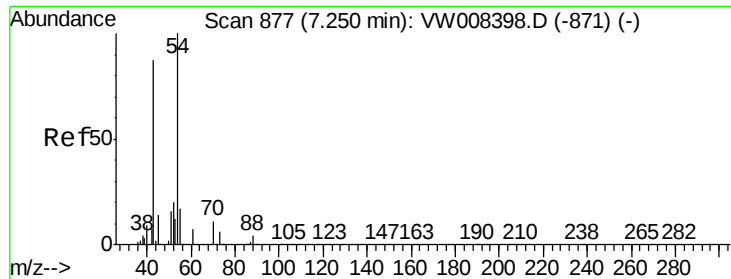
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2/1/2019 10:46:59 AM



#36
1,1-Dichloropropene
Concen: 52.128 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	17.3	52.0
77	31.1	24.7	37.1





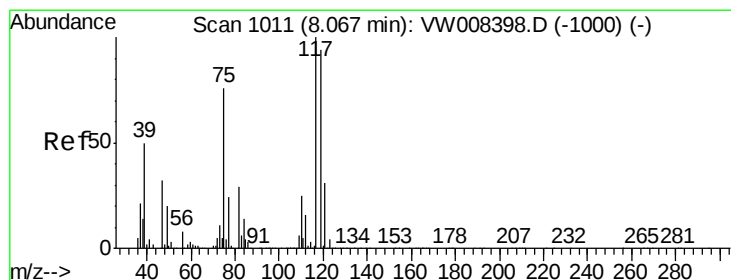
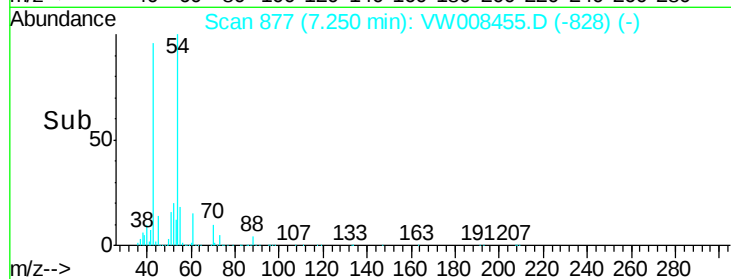
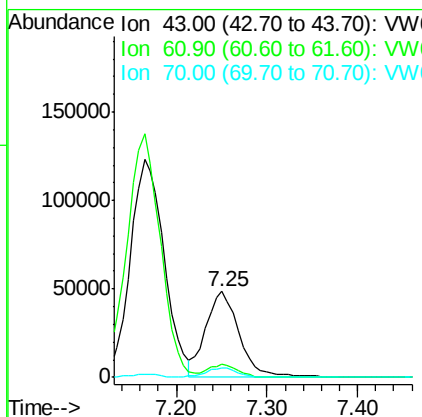
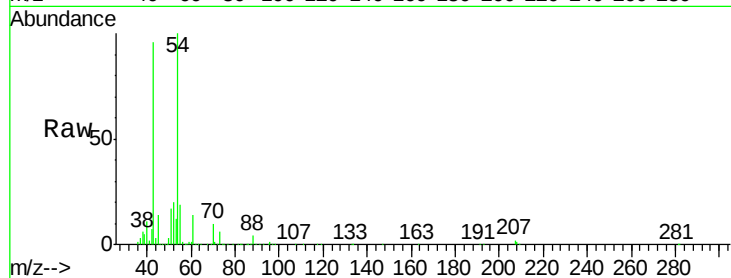
#37
Ethyl Acetate
Concen: 43.017 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.1	15.1
70	10.3	7.8	11.6

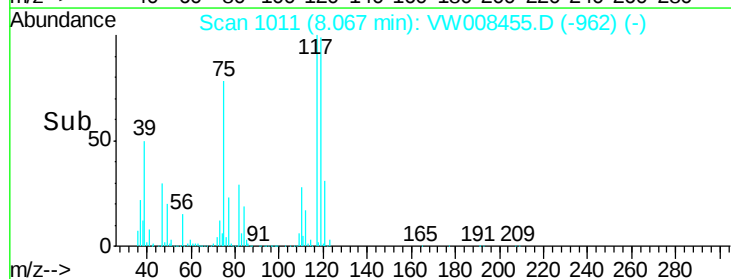
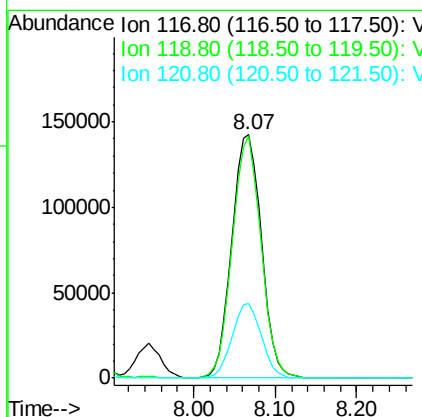
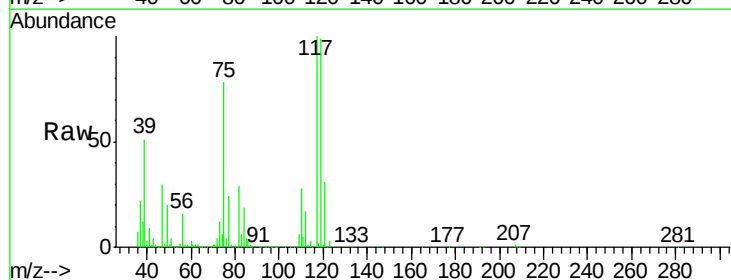
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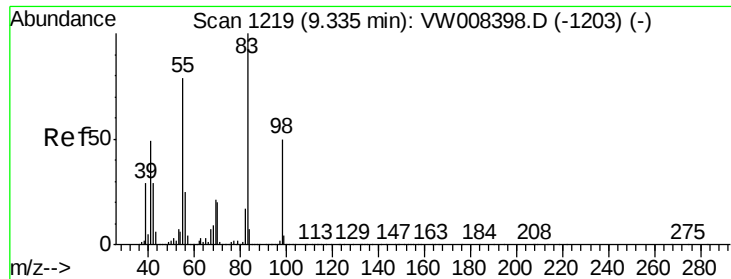
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2/1/2019 10:46:59 AM



#38
Carbon Tetrachloride
Concen: 54.979 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.4	75.0	112.4
121	30.9	24.9	37.3





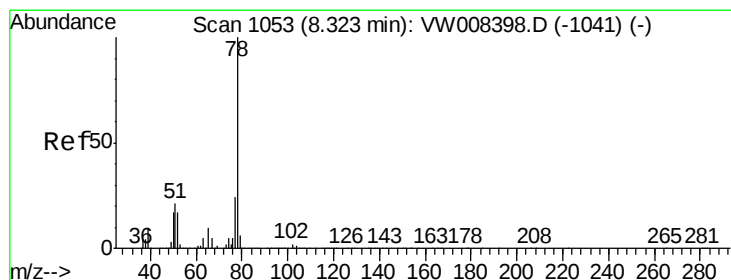
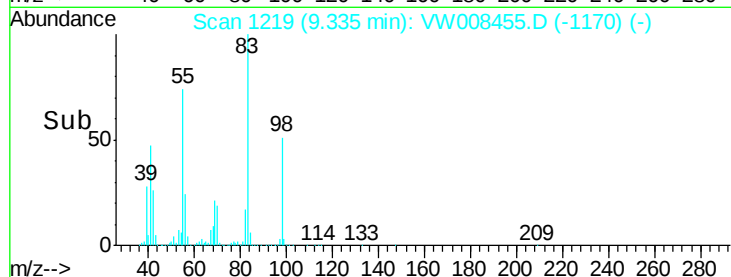
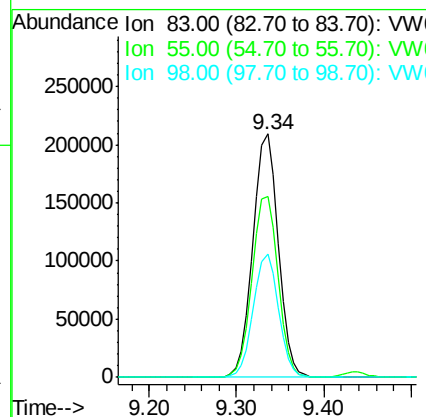
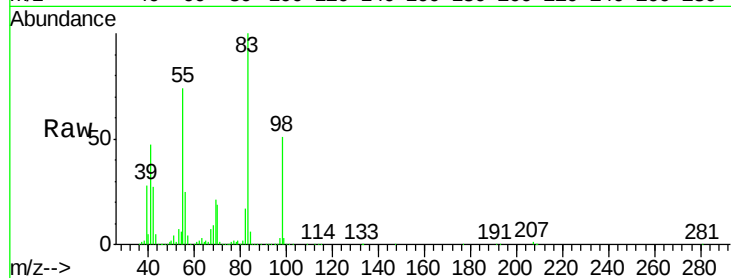
#39
Methvlcvclohexane
Concen: 49.937 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.3	63.3	94.9
98	50.8	39.7	59.5

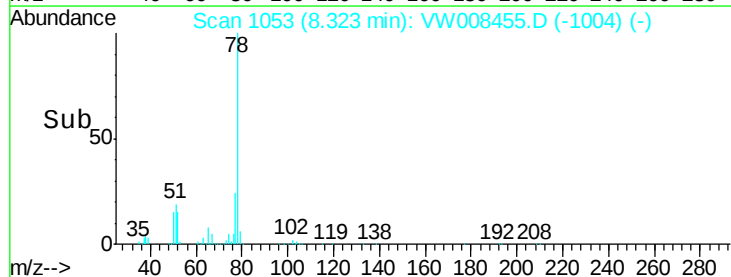
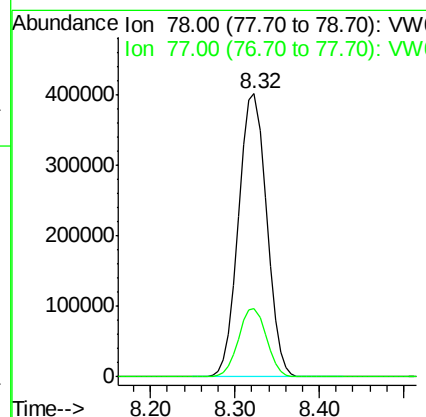
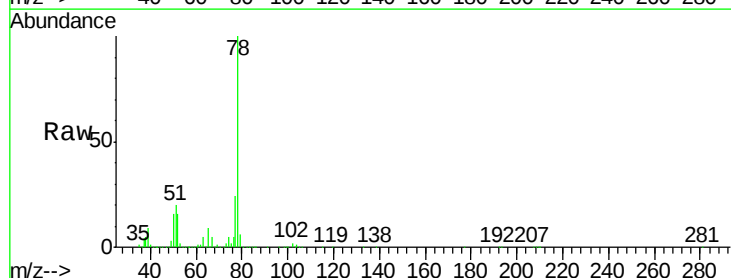
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2/1/2019 10:46:59 AM



#40
Benzene
Concen: 50.542 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.6





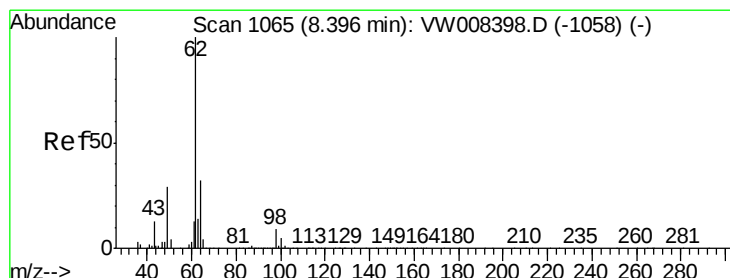
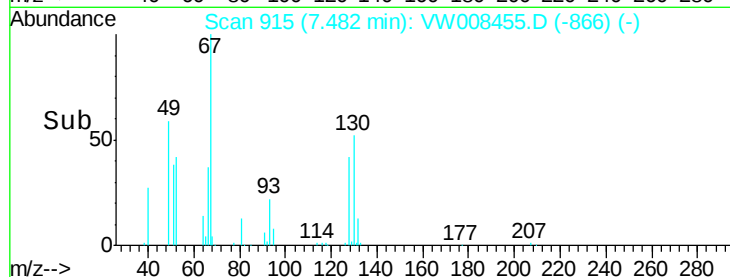
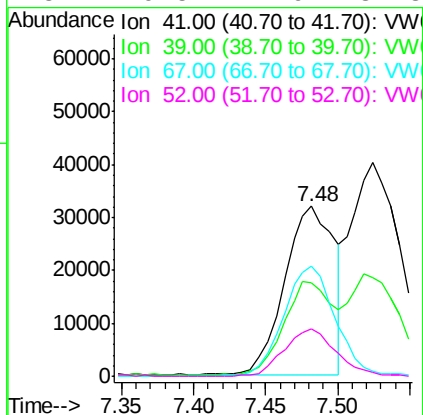
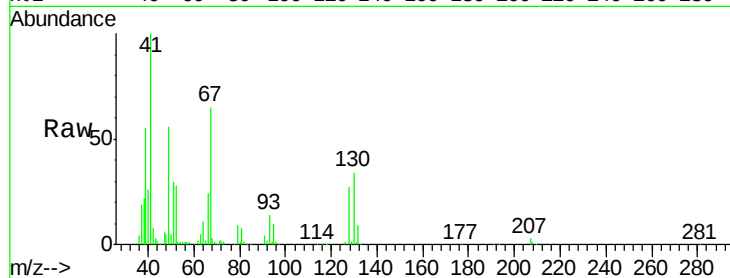
#41
Methacrylonitrile
Concen: 45.496 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.7	43.4	65.0	
67	68.1	54.2	81.2	
52	29.5	22.9	34.3	

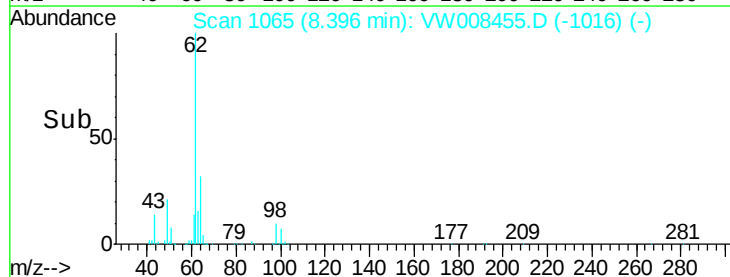
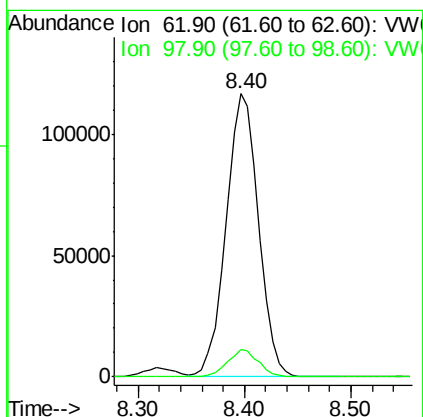
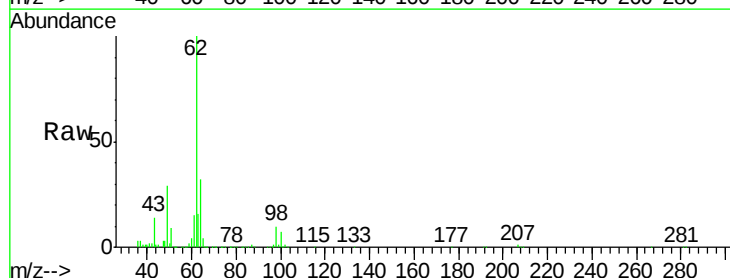
Manual Integrations
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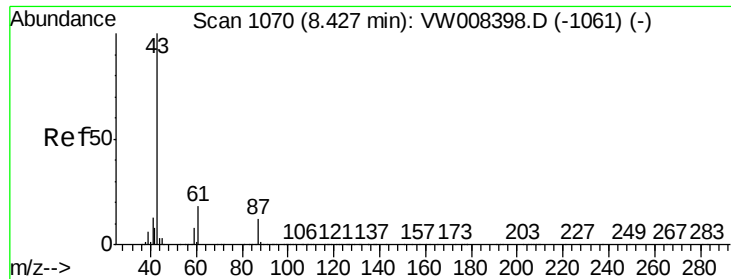
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#42
1,2-Dichloroethane
Concen: 47.980 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	0.0	18.6	





#43

Isopropyl Acetate

Concen: 42.488 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008455.D

Acq: 30 Jan 2019 10:09

Instrument :

MSVOA_W

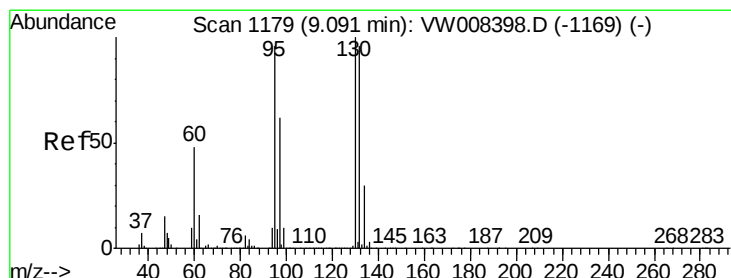
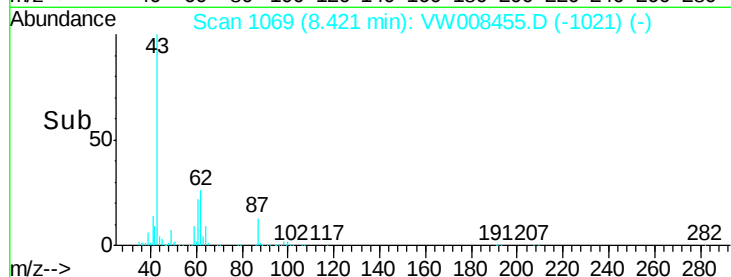
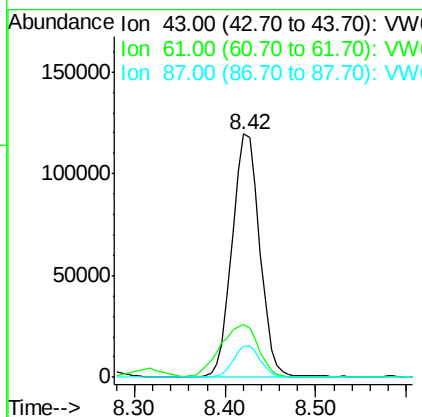
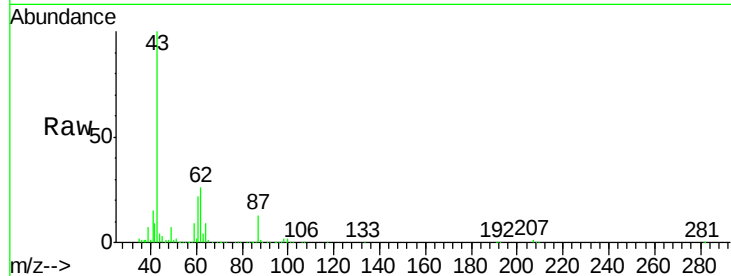
ClientSampleId :

VSTDCCC050

Tot Ion	43	Resp	251704
Ion	Ratio	Lower	Upper
43	100		
61	30.1	22.0	33.0
87	12.7	9.3	13.9

Manual Integrations
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#44

Trichloroethene

Concen: 53.985 ug/l

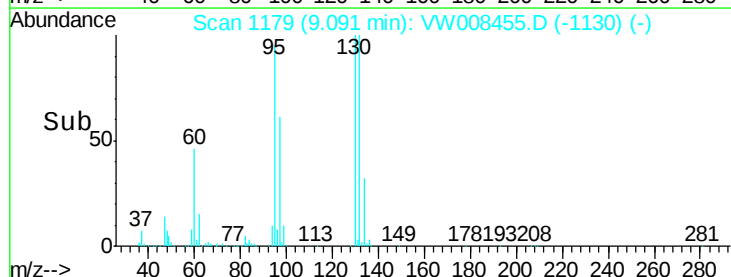
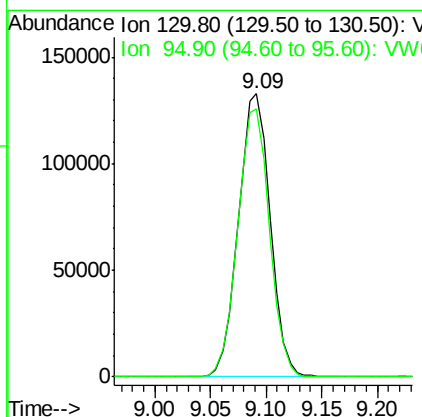
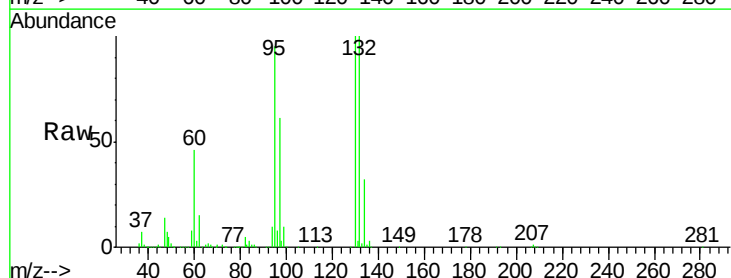
RT: 9.09 min Scan# 1179

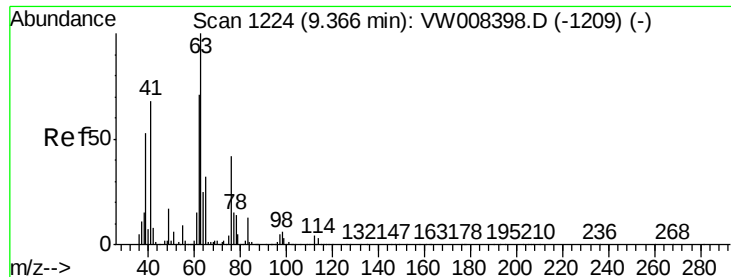
Delta R.T. -0.00 min

Lab File: VW008455.D

Acq: 30 Jan 2019 10:09

Tgt Ion	130	Resp	262553
Ion	Ratio	Lower	Upper
130	100		
95	94.7	0.0	191.6





#45

1,2-Dichloropropane

Concen: 48.940 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW008455.D

Acq: 30 Jan 2019 10:09

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 63 Resp: 218237

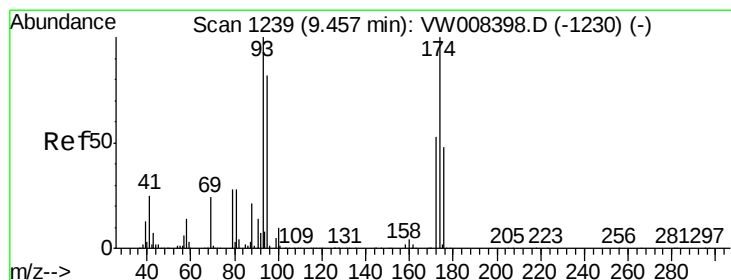
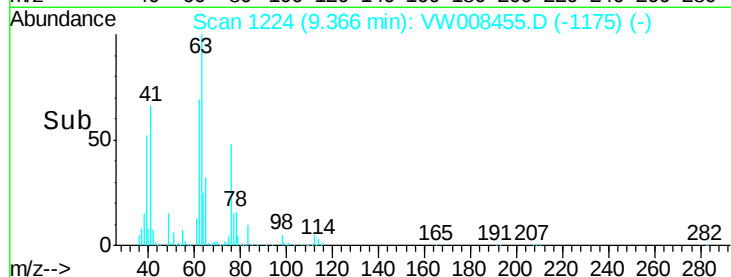
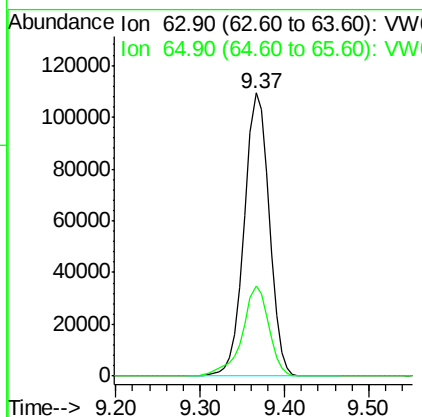
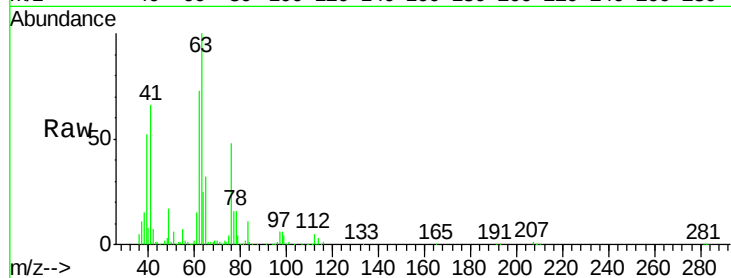
Ion Ratio Lower Upper

63 100

65 32.0 25.2 37.8

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#46

Dibromomethane

Concen: 47.790 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW008455.D

Acq: 30 Jan 2019 10:09

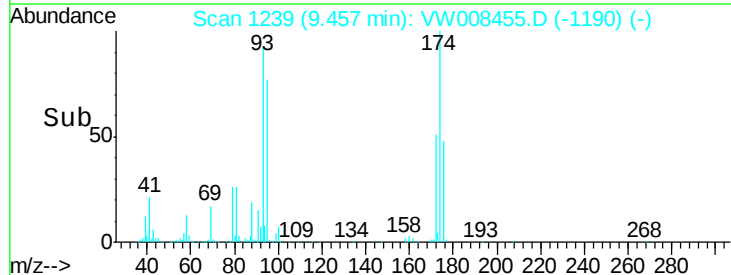
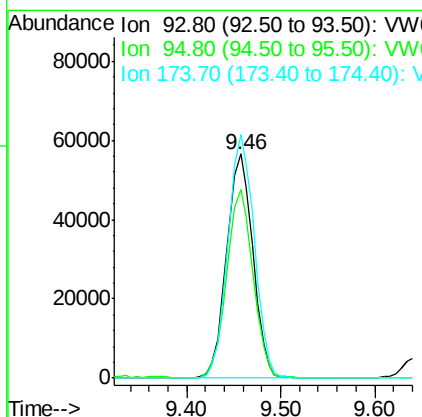
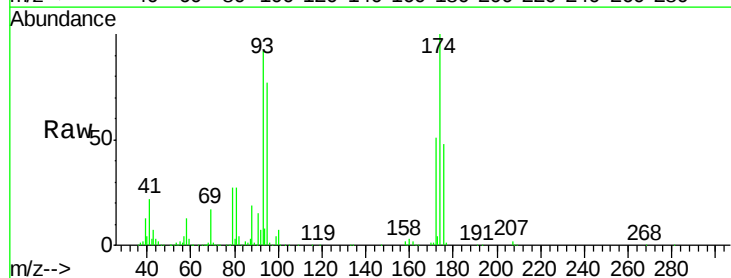
Tgt Ion: 93 Resp: 109610

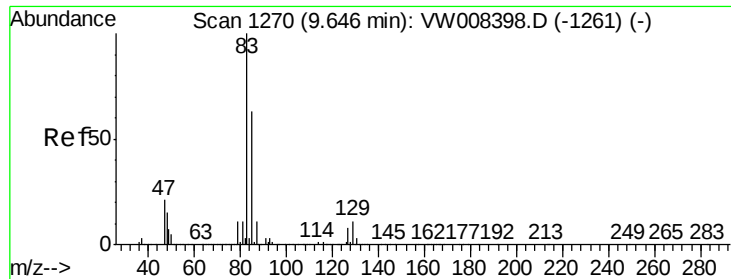
Ion Ratio Lower Upper

93 100

95 84.4 65.9 98.9

174 108.8 81.0 121.6





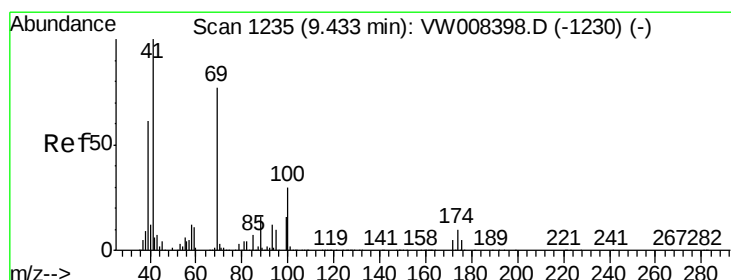
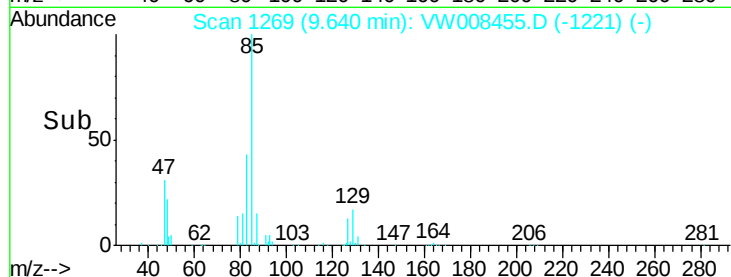
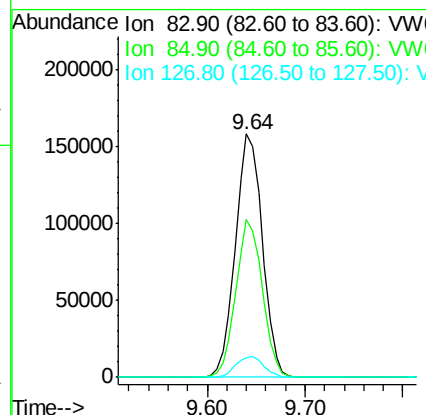
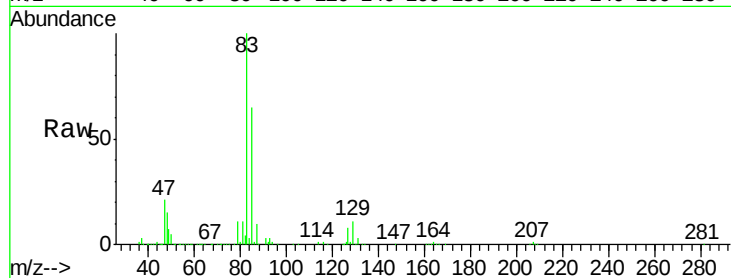
#47
Bromodichloromethane
Concen: 50.015 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	303422		
85	64.9	50.8	76.2	
127	8.3	6.8	10.2	

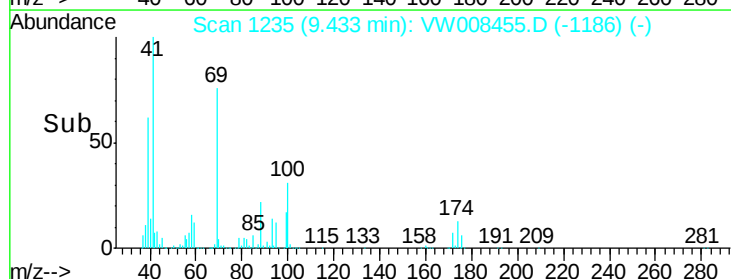
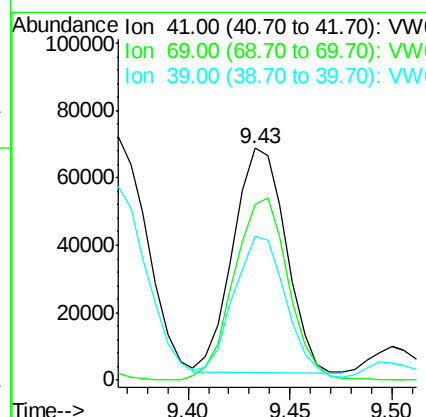
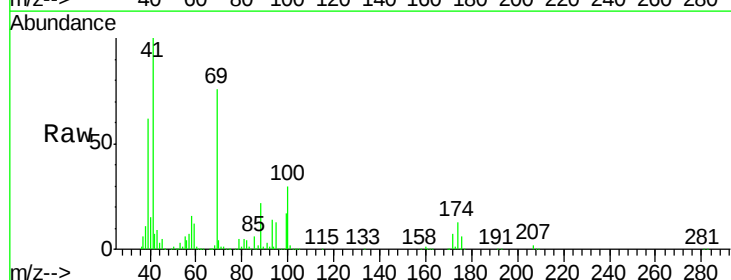
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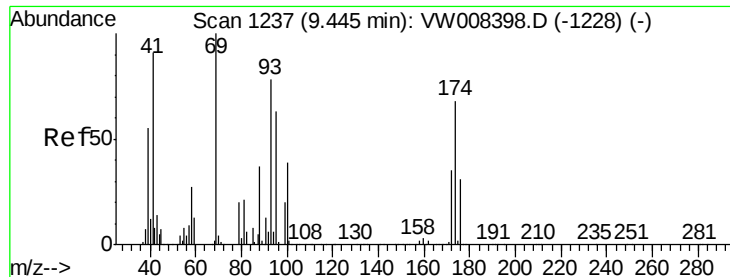
MMDadoda
2/1/2019 10:46:59 AM



#48
Methyl methacrylate
Concen: 41.384 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	119876		
69	82.5	64.8	97.2	
39	62.4	49.1	73.7	





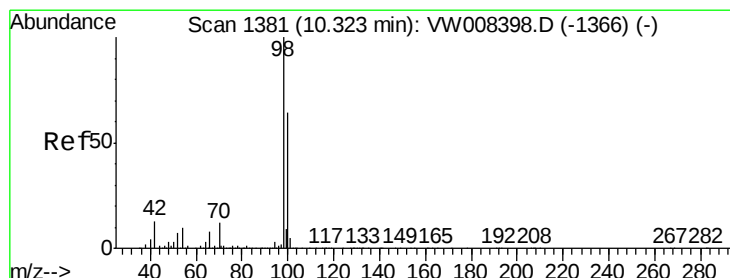
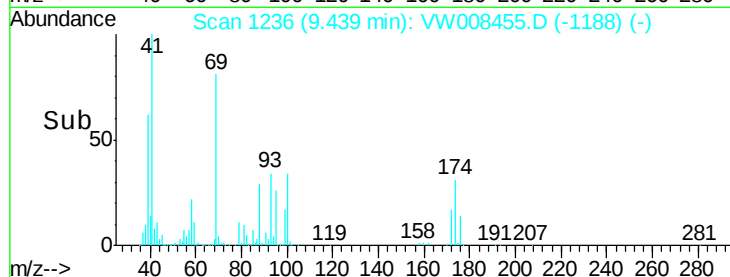
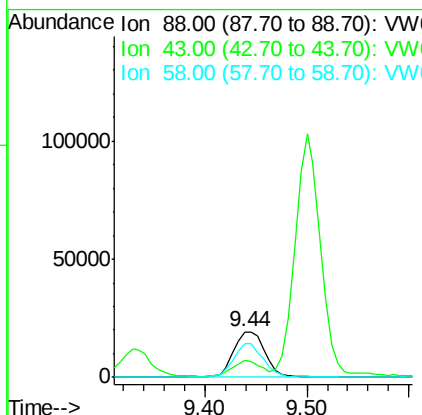
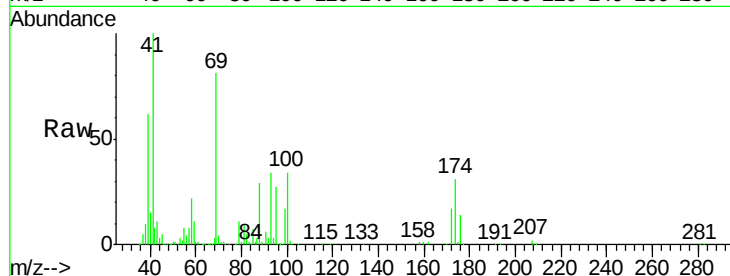
#49
1,4-Dioxane
Concen: 1060.004 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.6	29.0	43.4
58	70.6	56.4	84.6

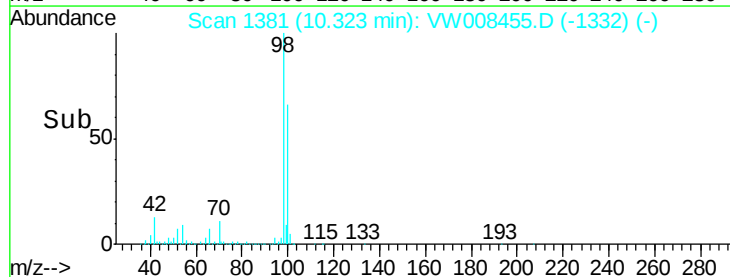
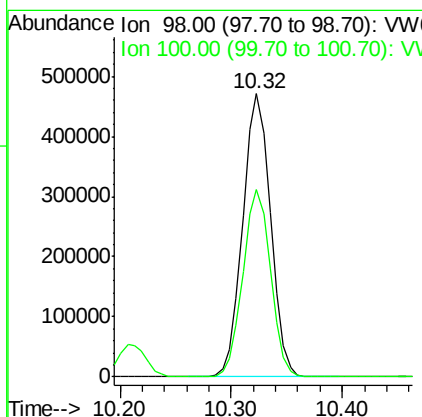
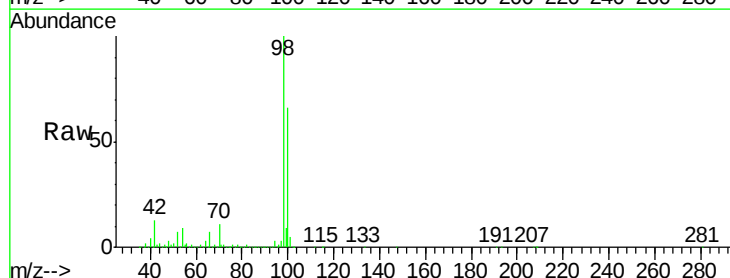
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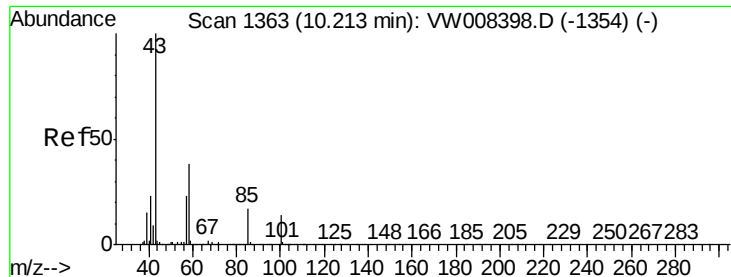
MMDadoda
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#50
Toluene-d8
Concen: 51.140 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 212.086 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW008455.D

Acq: 30 Jan 2019 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 620715

Ion Ratio Lower Upper

43 100

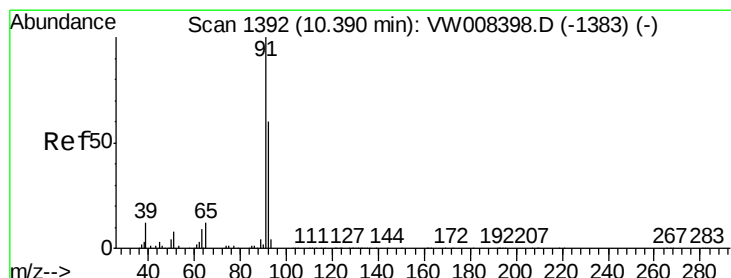
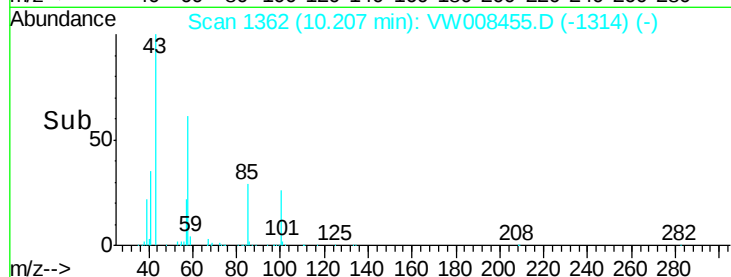
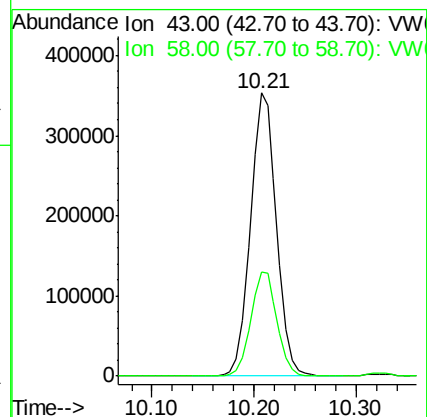
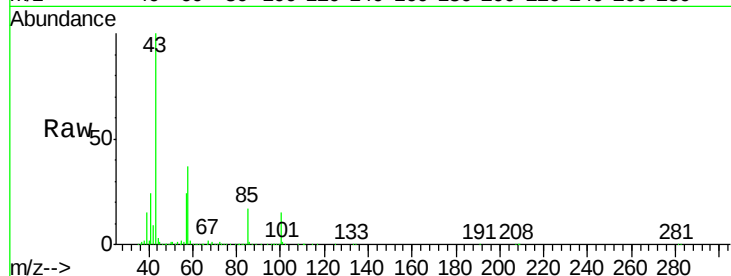
58 37.0 29.7 44.5

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#52

Toluene

Concen: 49.795 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008455.D

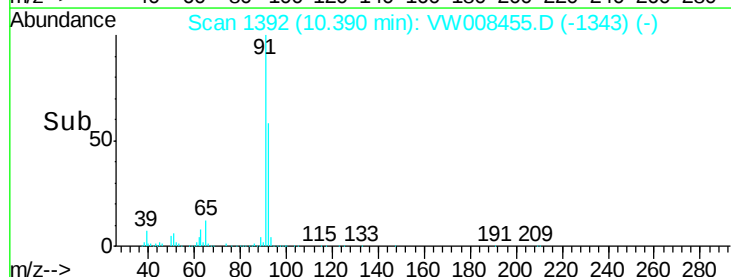
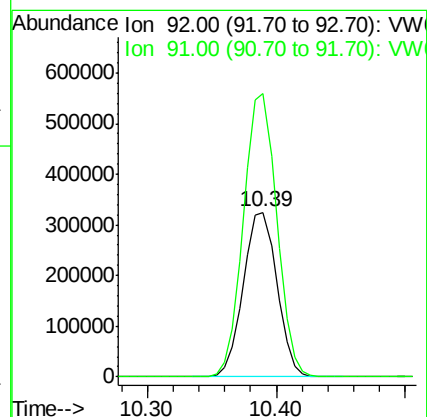
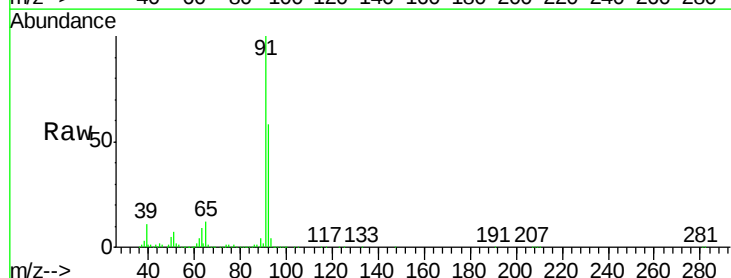
Acq: 30 Jan 2019 10:09

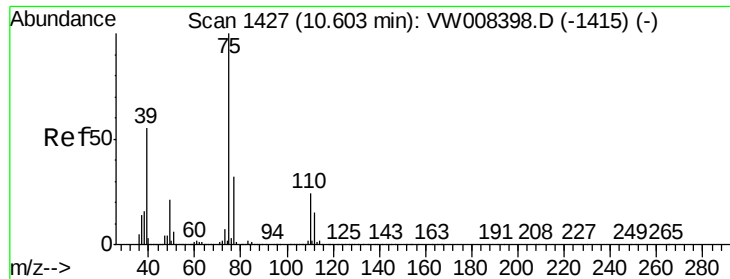
Tgt Ion: 92 Resp: 587878

Ion Ratio Lower Upper

92 100

91 170.2 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 46.811 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW008455.D

Acq: 30 Jan 2019 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 302181

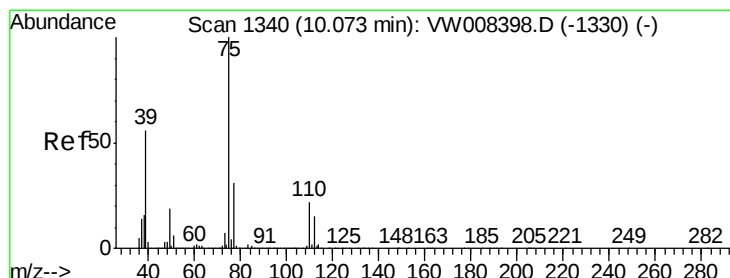
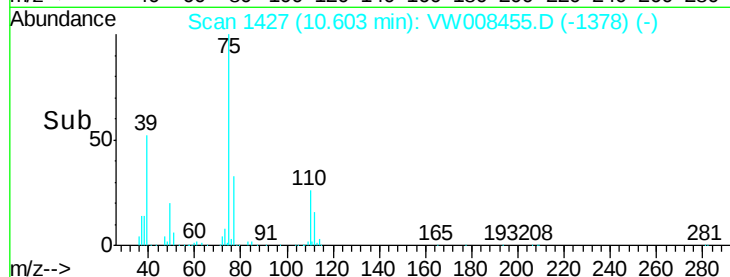
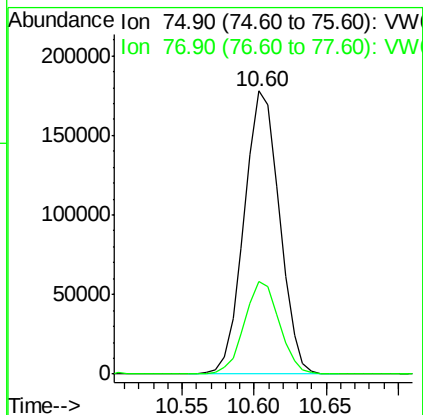
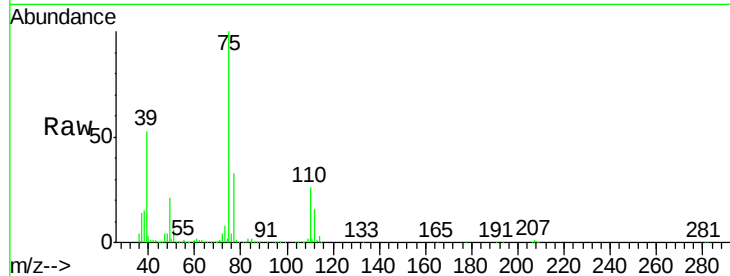
Ion Ratio Lower Upper

75 100

77 32.5 25.3 37.9

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 48.792 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW008455.D

Acq: 30 Jan 2019 10:09

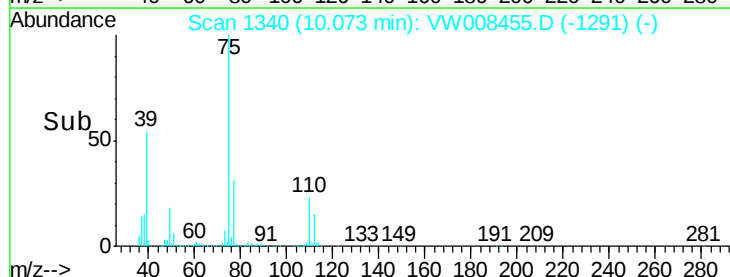
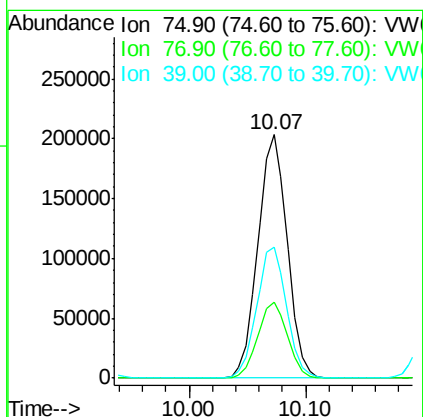
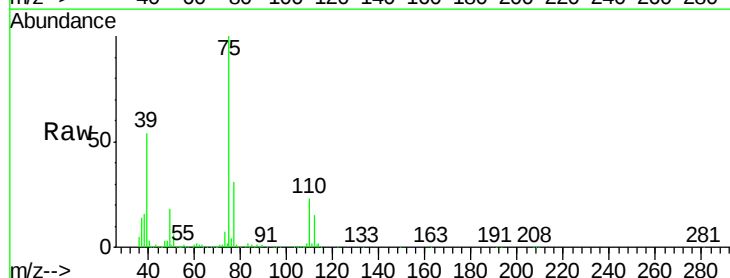
Tgt Ion: 75 Resp: 357437

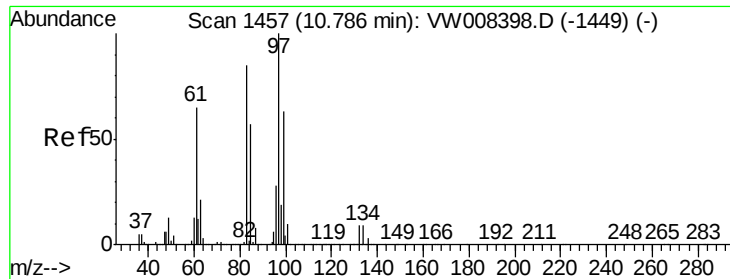
Ion Ratio Lower Upper

75 100

77 31.1 25.0 37.4

39 53.9 44.9 67.3





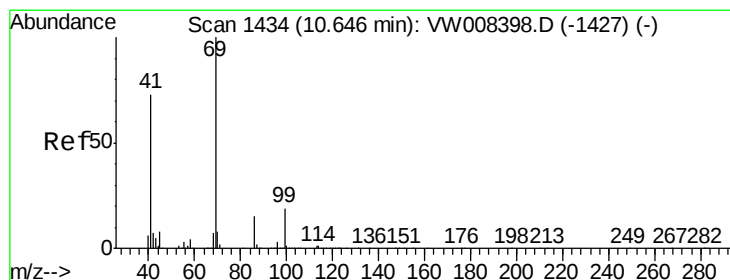
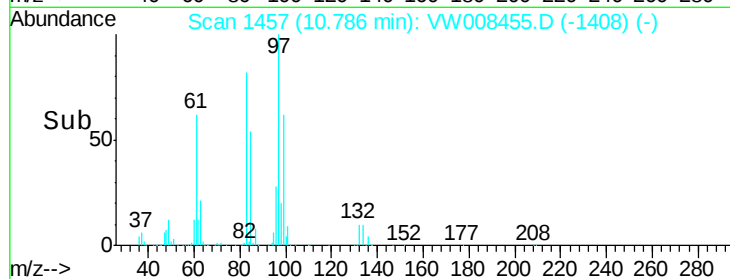
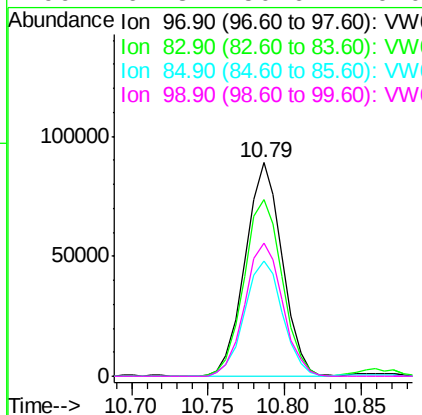
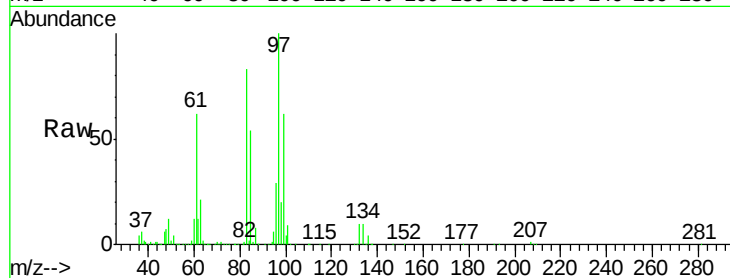
#55
 1,1,2-Trichloroethane
 Concen: 47.299 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008455.D
 Acq: 30 Jan 2019 10:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	150474
Ion	Ratio	Lower	Upper
97	100		
83	82.5	68.4	102.6
85	53.7	45.3	67.9
99	62.3	50.6	76.0

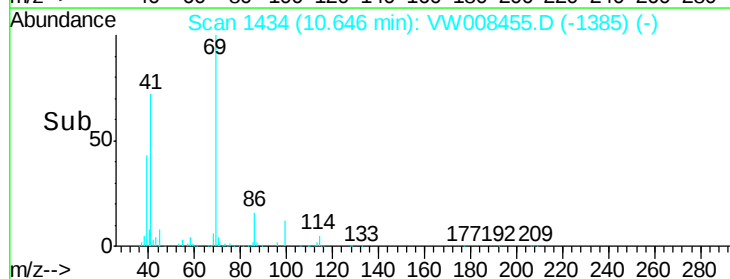
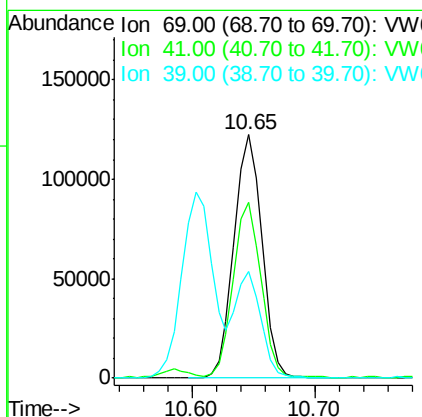
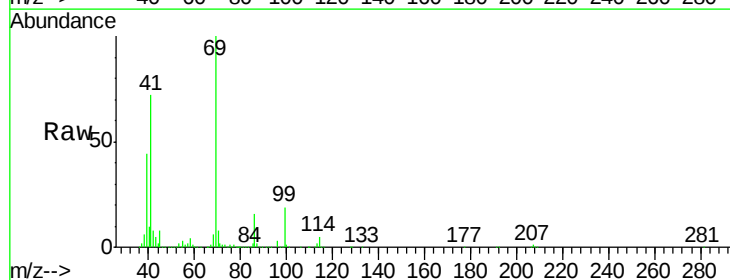
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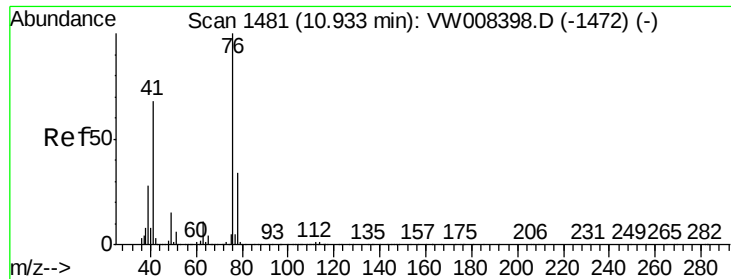
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#56
 Ethyl methacrylate
 Concen: 43.390 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008455.D
 Acq: 30 Jan 2019 10:09

Tgt Ion:	69	Resp:	193423
Ion	Ratio	Lower	Upper
69	100		
41	71.5	58.7	88.1
39	39.8	32.6	48.8





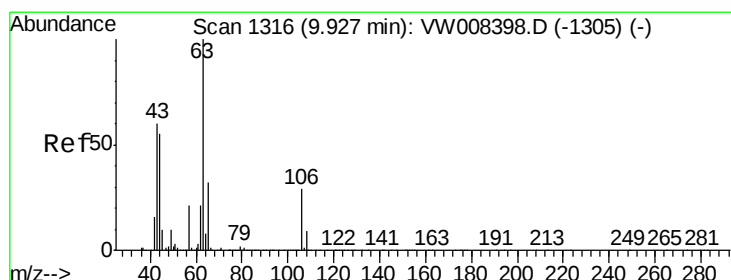
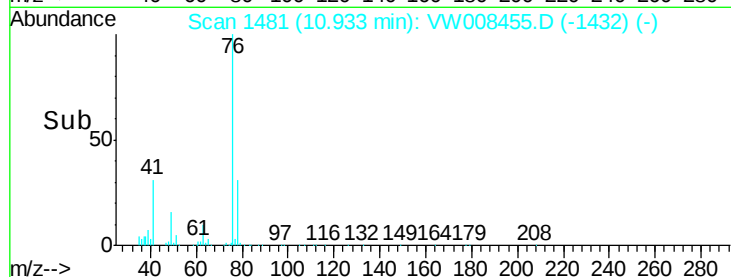
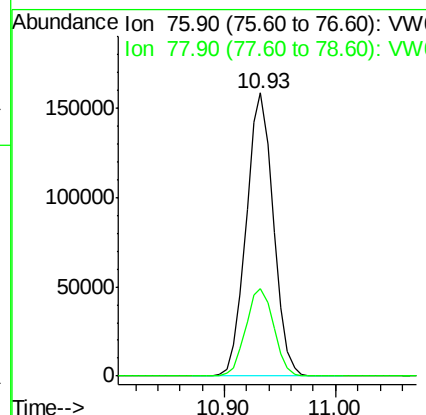
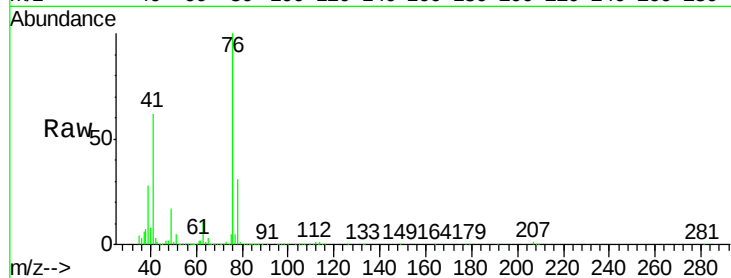
#57
 1,3-Dichloropropane
 Concen: 46.926 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008455.D
 Acq: 30 Jan 2019 10:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 267449
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.8

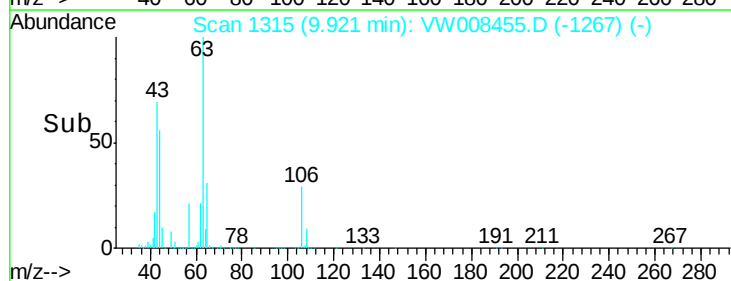
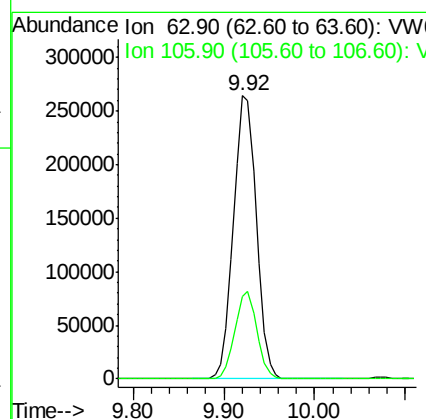
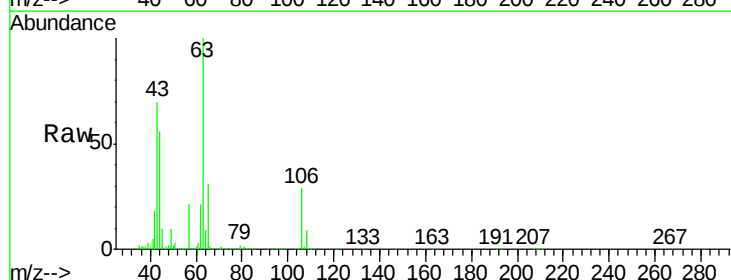
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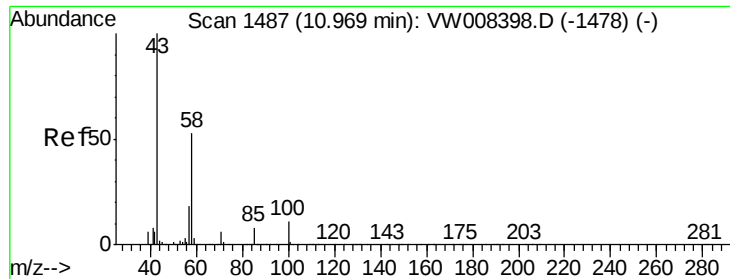
MMDadoda
 2/1/2019 10:46:59 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 214.370 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW008455.D
 Acq: 30 Jan 2019 10:09

Tgt Ion: 63 Resp: 464302
 Ion Ratio Lower Upper
 63 100
 106 29.6 22.4 33.6





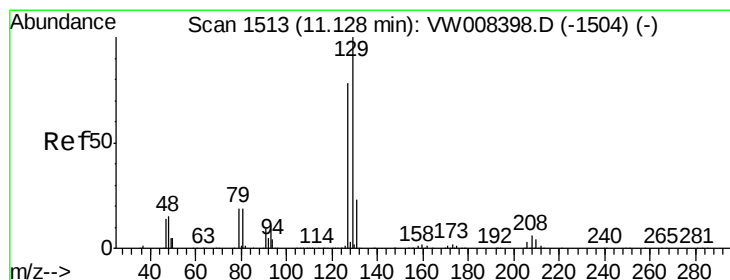
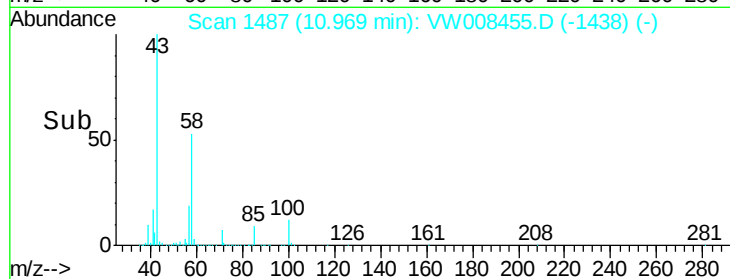
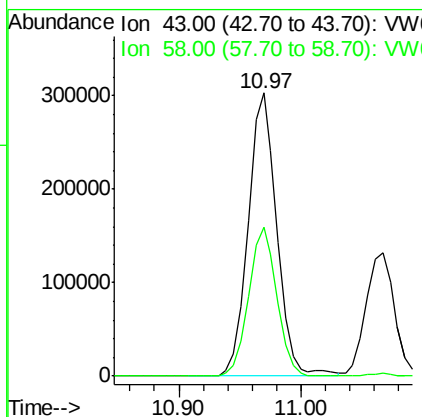
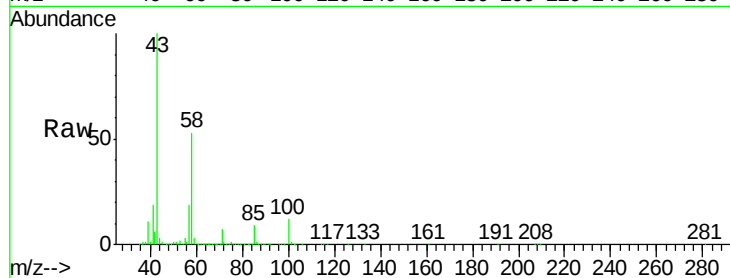
#59
2-Hexanone
Concen: 238.018 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 491779
Ion Ratio Lower Upper
43 100
58 51.8 25.9 77.7

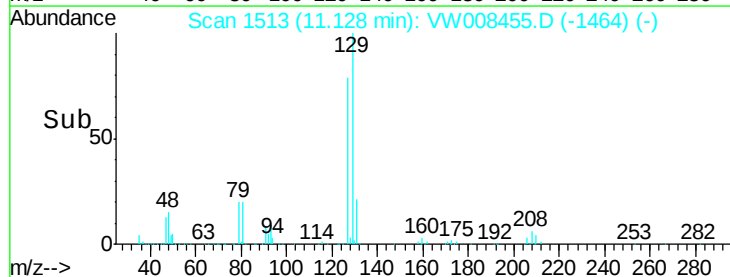
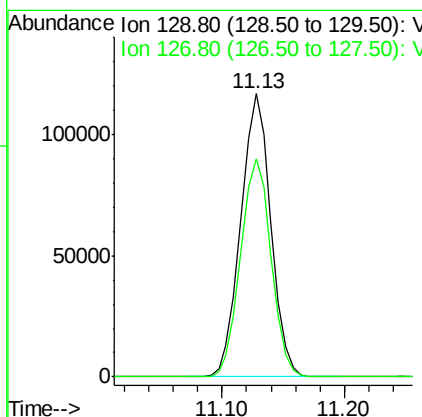
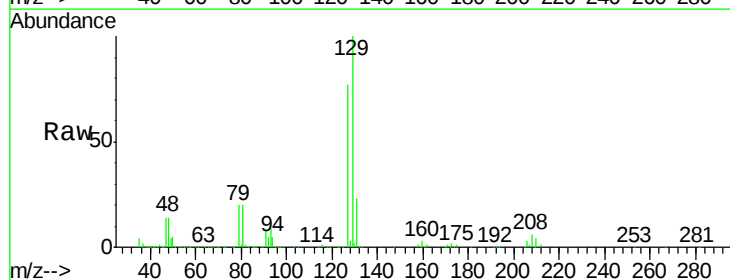
Manual Integrations
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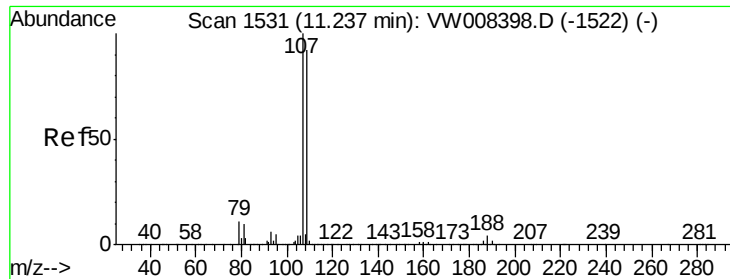
MMDadoda
2/1/2019 10:46:59 AM



#60
Dibromochloromethane
Concen: 48.760 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Tgt Ion: 129 Resp: 199344
Ion Ratio Lower Upper
129 100
127 78.3 39.1 117.2





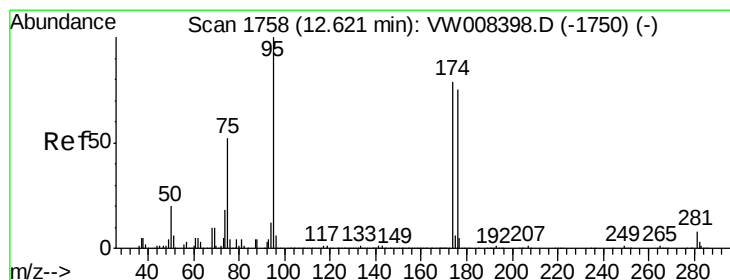
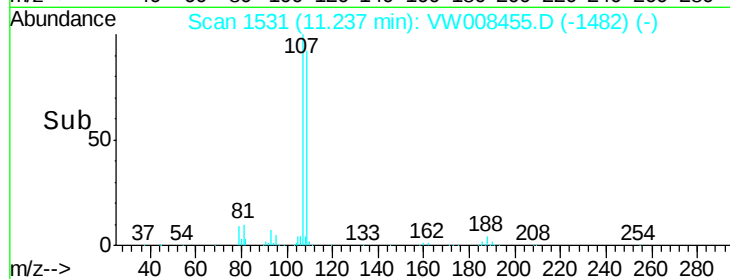
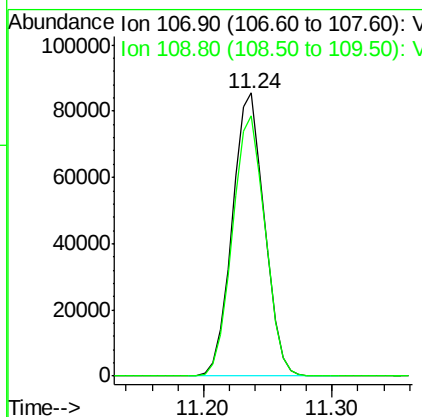
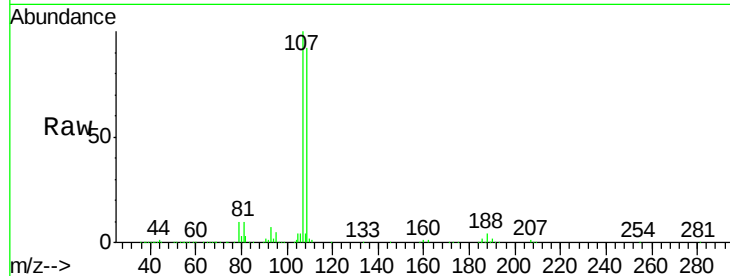
#61
 1,2-Dibromoethane
 Concen: 46.931 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW008455.D
 Acq: 30 Jan 2019 10:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.0	112.4

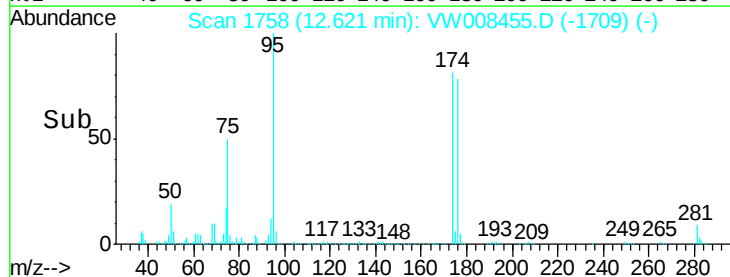
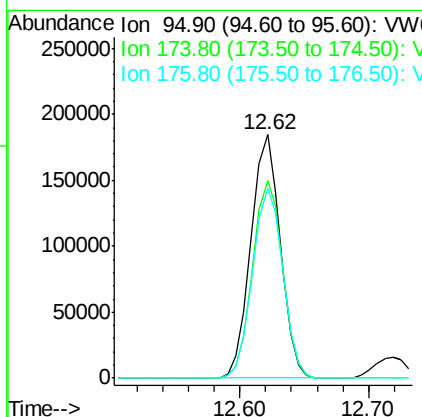
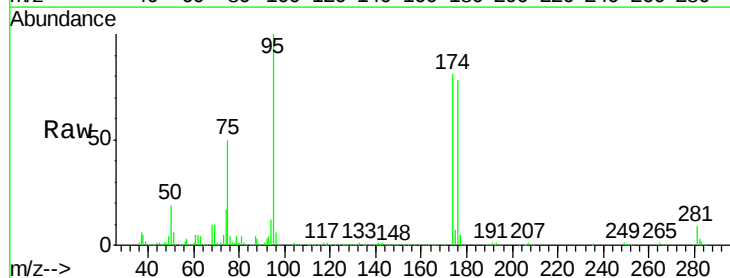
Manual Integrations
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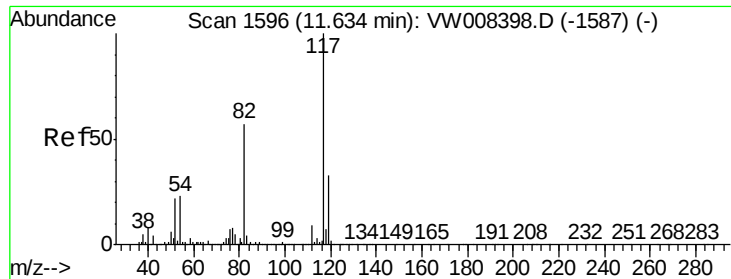
MMDadoda
 2/1/2019 10:46:59 AM



#62
 4-Bromofluorobenzene
 Concen: 47.191 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW008455.D
 Acq: 30 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.6	0.0	157.6
176	80.1	0.0	151.8





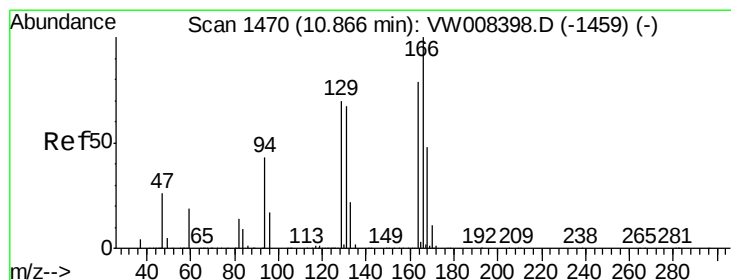
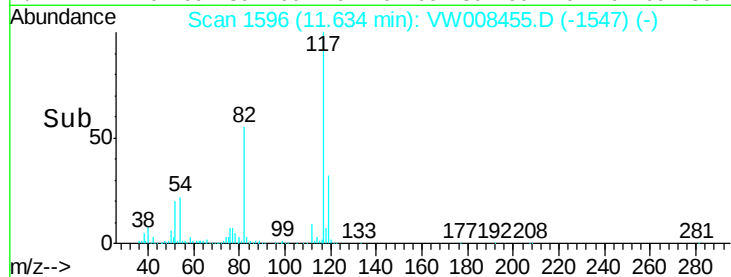
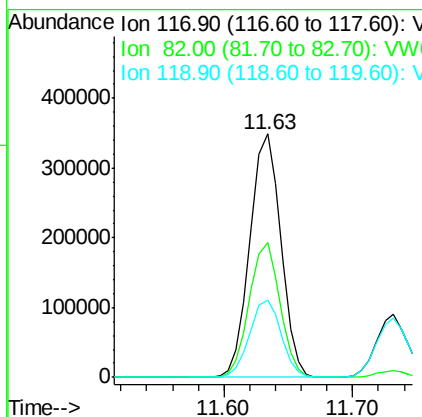
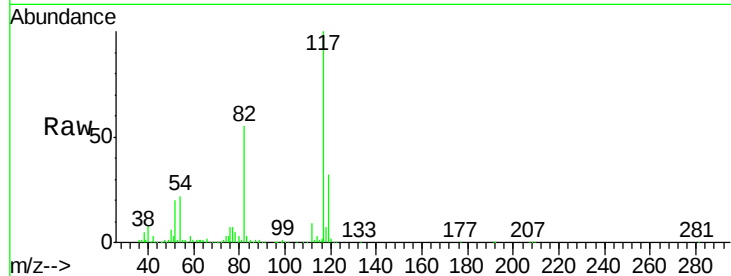
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	579966		
82	55.1		45.4	68.0
119	31.9		26.2	39.4

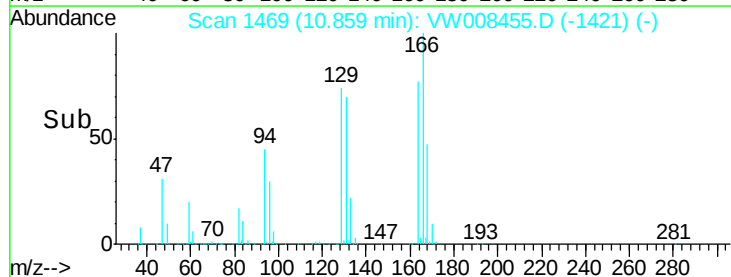
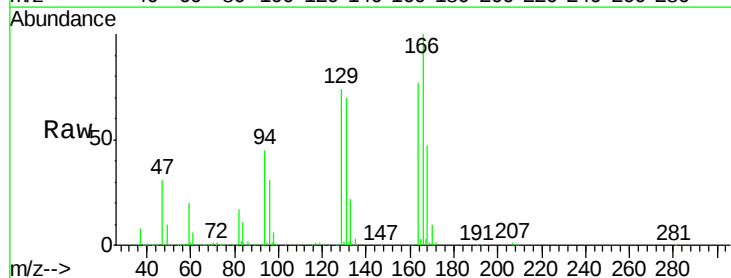
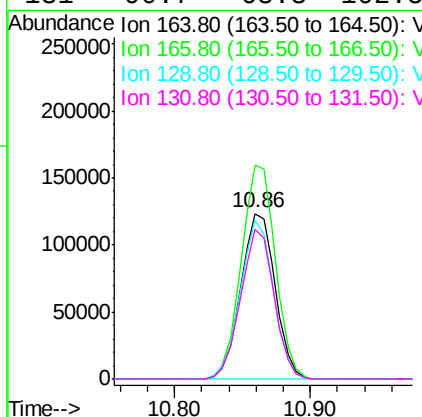
Manual Integrations
APPROVED

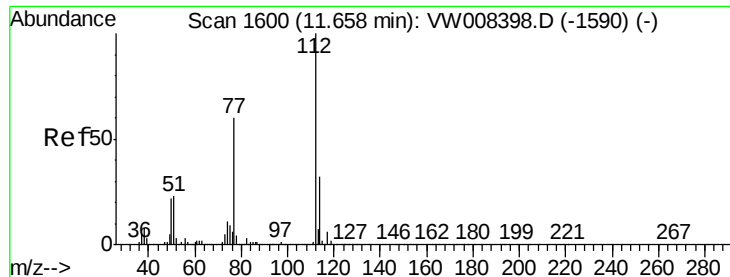
MMDadoda
2/1/2019 10:46:59 AM



#64
Tetrachloroethene
Concen: 55.570 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	218209		
166	129.2		101.4	152.0
129	96.1		71.0	106.6
131	90.7		68.3	102.5





#65

Chlorobenzene

Concen: 53.534 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008455.D

Acq: 30 Jan 2019 10:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 633796

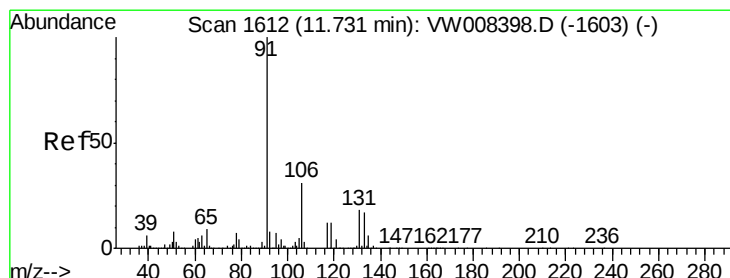
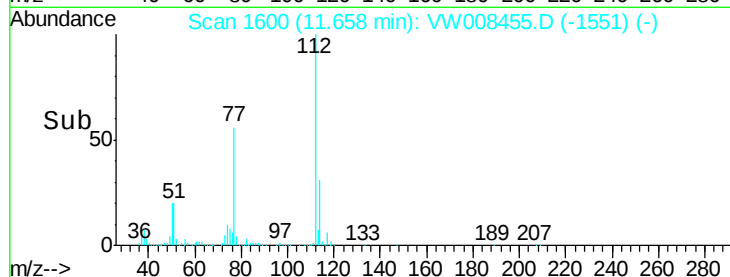
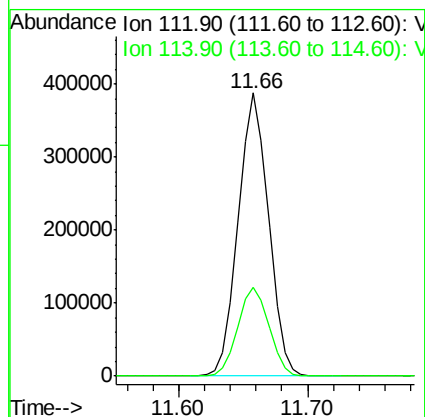
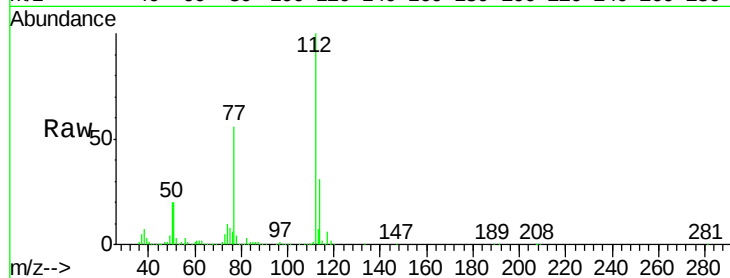
Ion Ratio Lower Upper

112 100

114 31.3 25.4 38.2

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 53.254 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008455.D

Acq: 30 Jan 2019 10:09

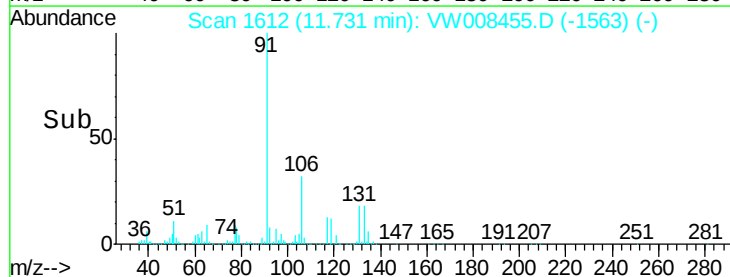
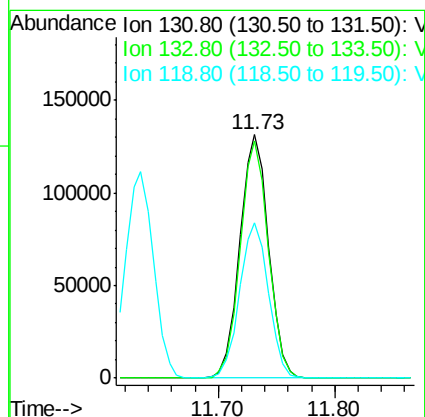
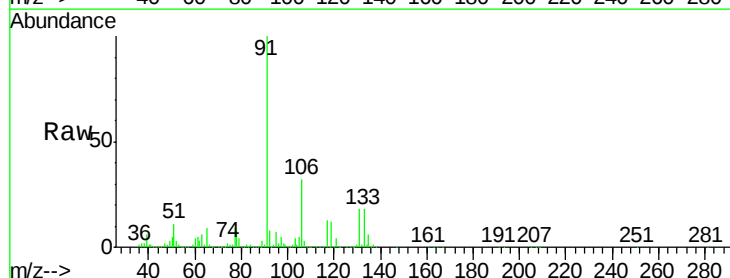
Tgt Ion:131 Resp: 225573

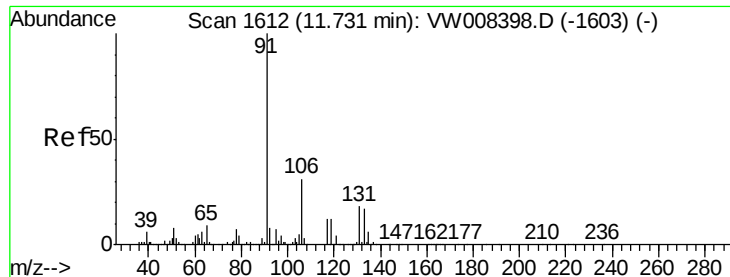
Ion Ratio Lower Upper

131 100

133 95.5 47.0 141.2

119 64.2 32.1 96.3





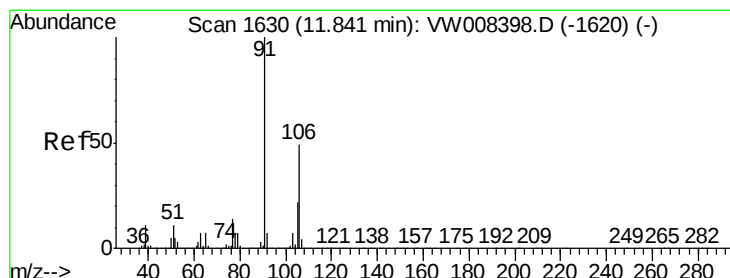
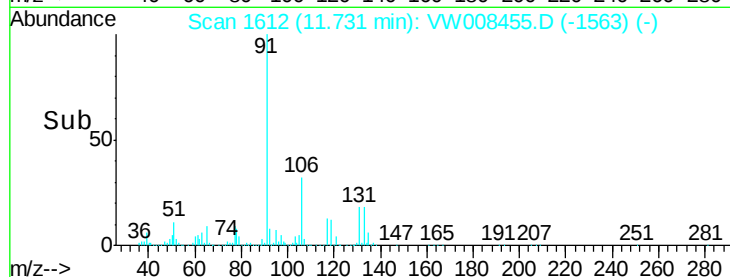
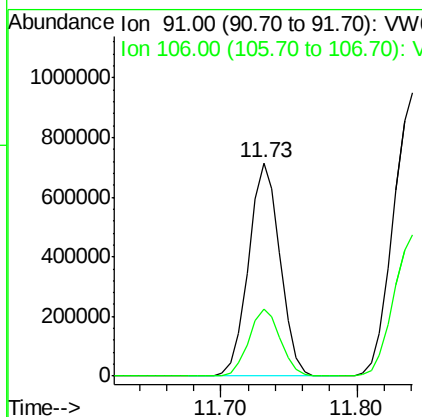
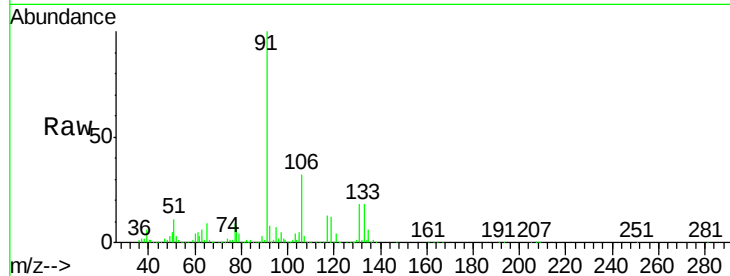
#67
Ethyl Benzene
Concen: 53.203 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1157825
Ion Ratio Lower Upper
91 100
106 31.6 24.7 37.1

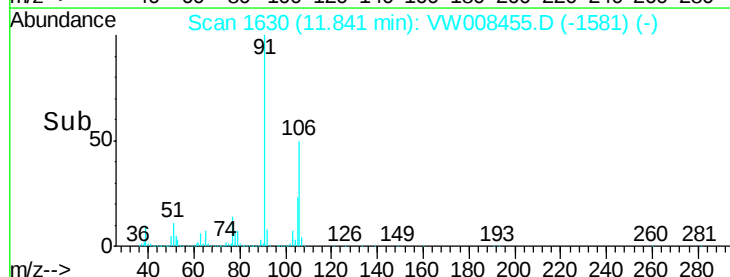
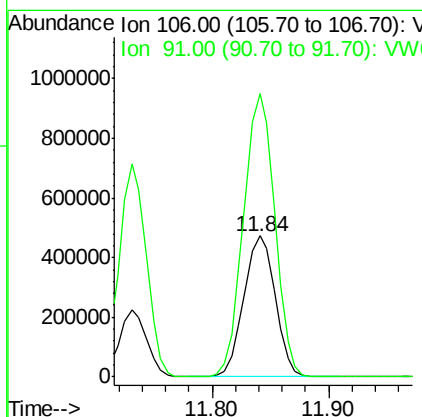
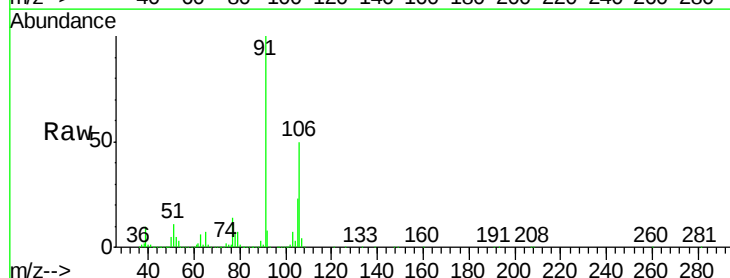
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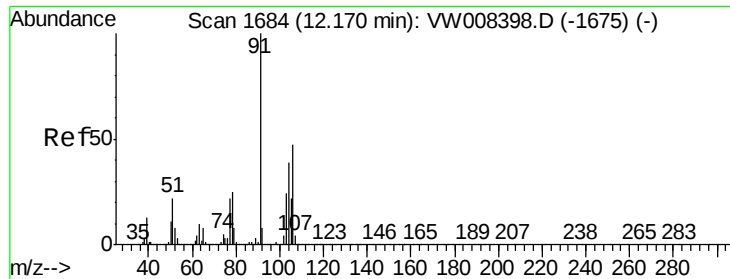
MMDadoda
2/1/2019 10:46:59 AM



#68
m/p-Xylenes
Concen: 105.684 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Tgt Ion: 106 Resp: 892364
Ion Ratio Lower Upper
106 100
91 200.1 162.9 244.3





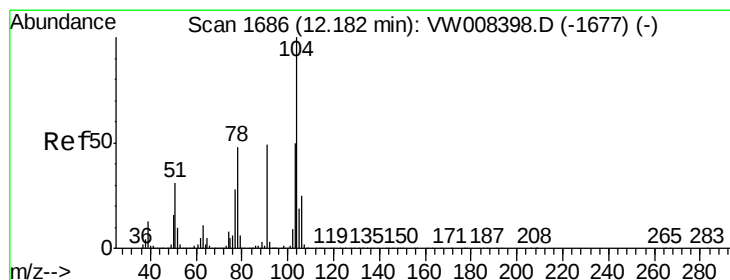
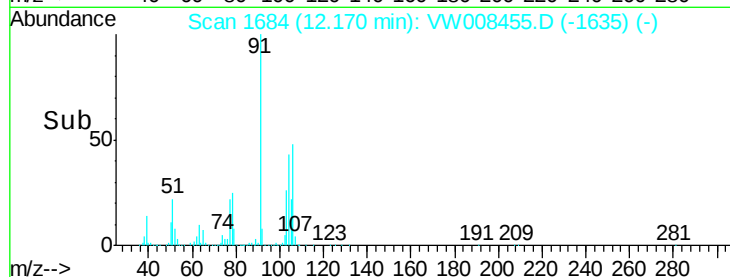
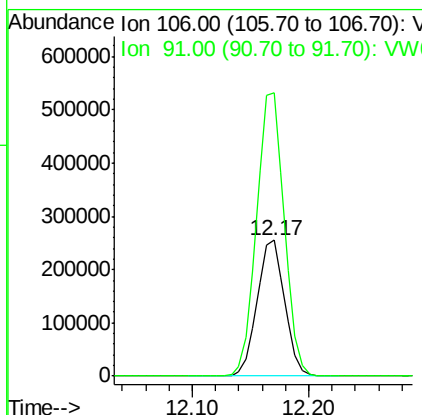
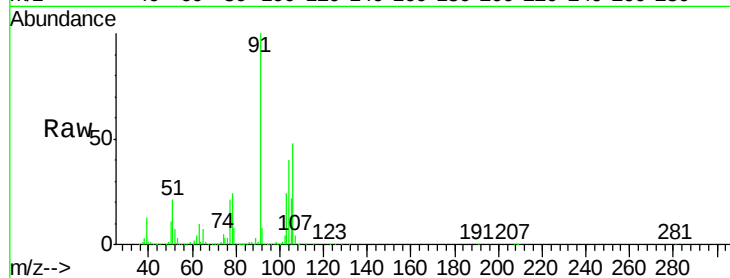
#69
o-Xylene
Concen: 52.556 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.6	107.5	322.4

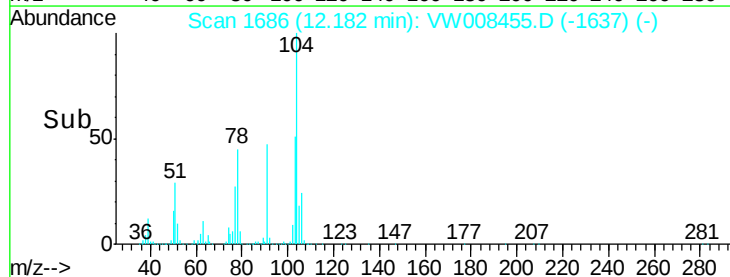
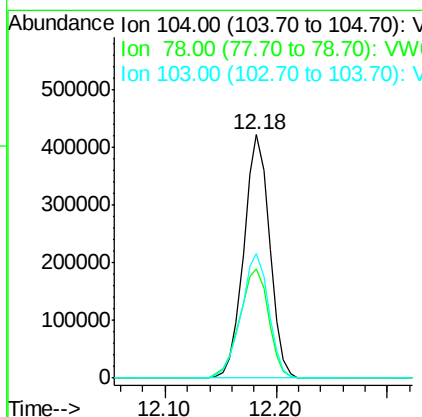
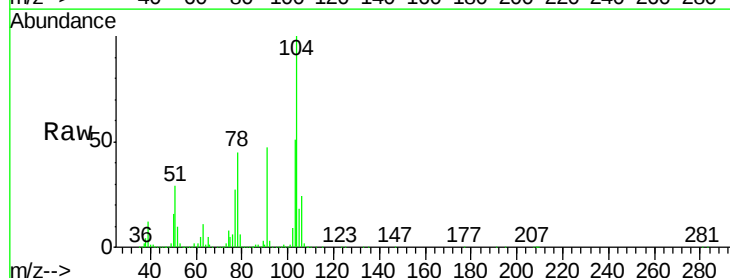
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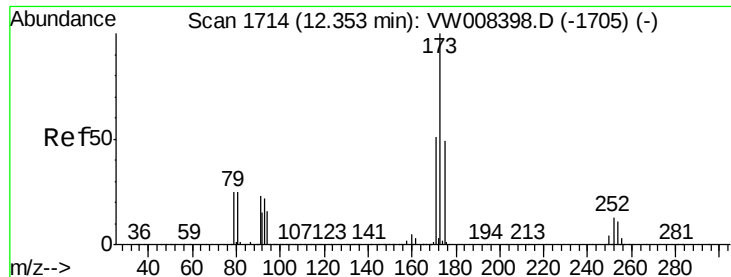
MMDadoda
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#70
Styrene
Concen: 51.362 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.5	42.4	63.6
103	54.9	43.4	65.0





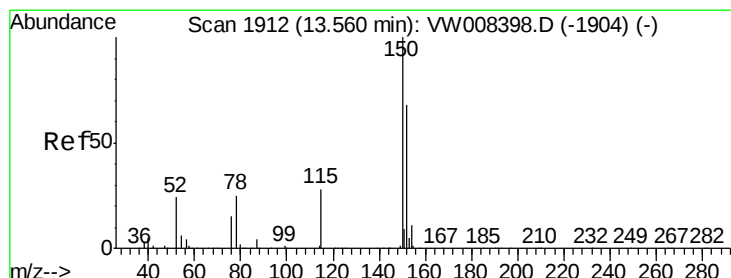
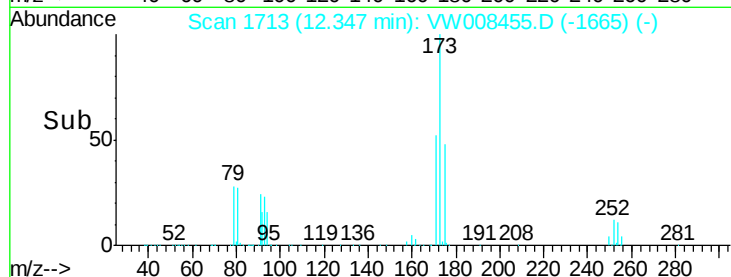
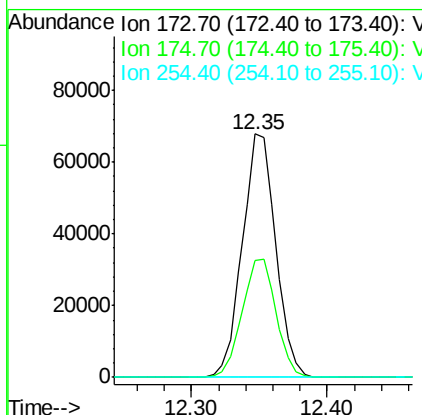
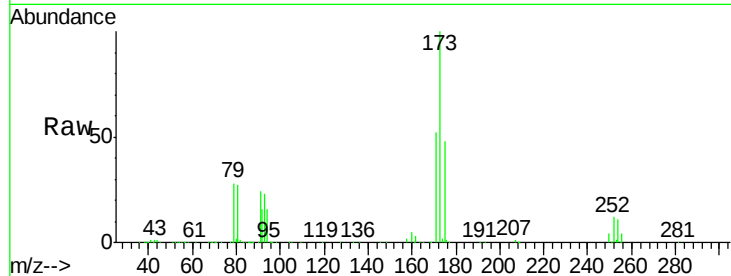
#71
Bromoform
Concen: 48.888 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.01 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.4	73.4
254	0.2	0.2	0.2

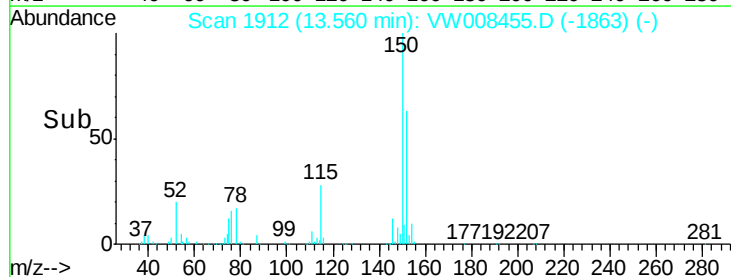
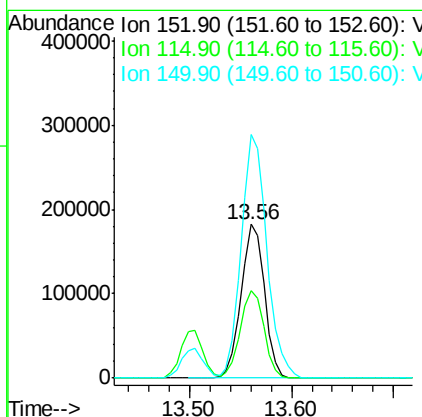
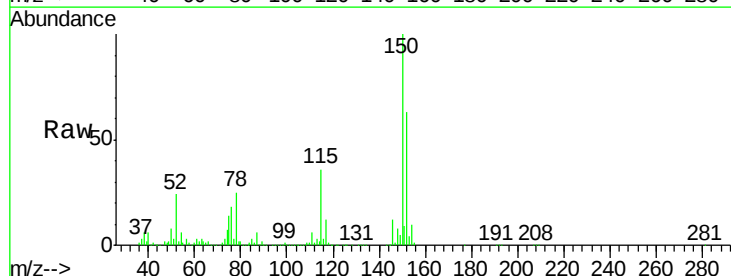
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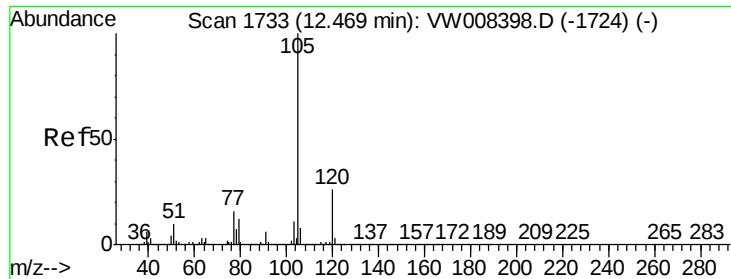
MMDadoda
2/1/2019 10:46:59 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	29.9	89.7
150	173.8	0.0	351.4





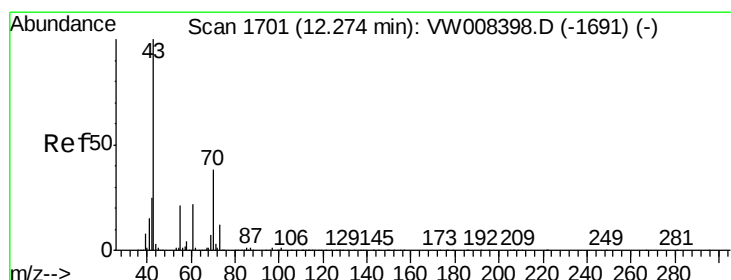
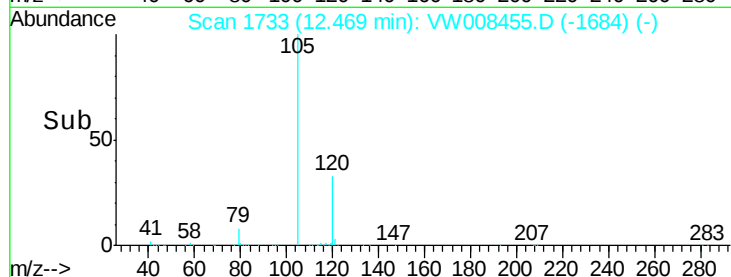
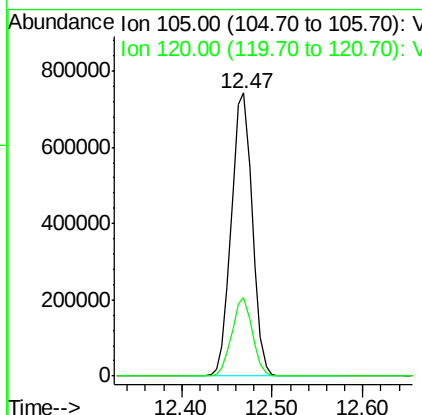
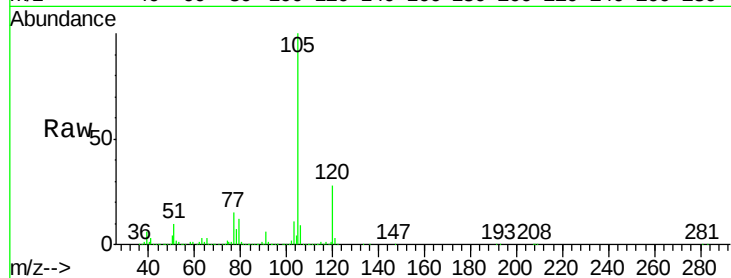
#73
Isopropylbenzene
Concen: 55.148 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 1188826
Ion Ratio Lower Upper
105 100
120 26.9 13.3 39.8

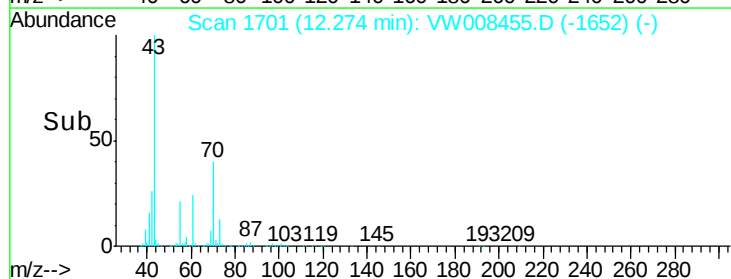
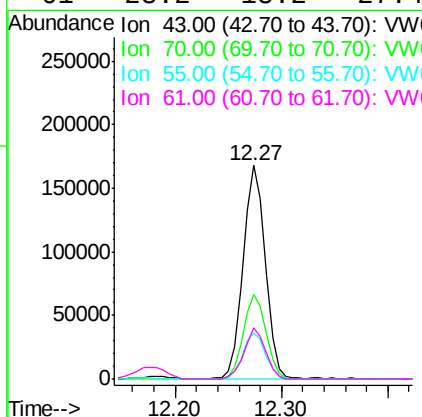
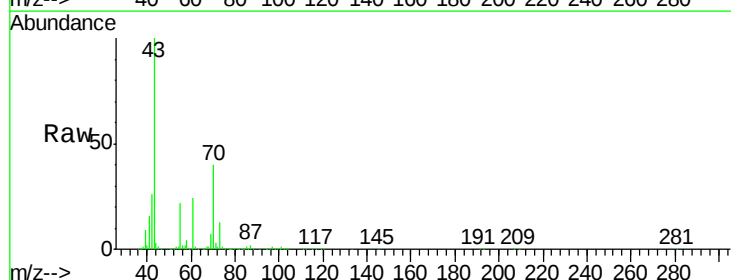
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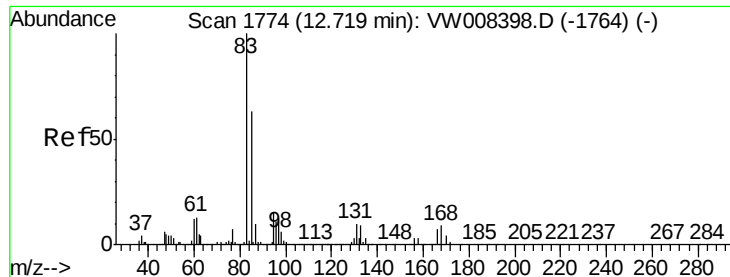
MMDadoda
2/1/2019 10:46:59 AM



#74
N-ethyl acetate
Concen: 44.251 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Tgt Ion: 43 Resp: 245747
Ion Ratio Lower Upper
43 100
70 40.6 31.0 46.6
55 22.1 17.4 26.2
61 23.2 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 48.675 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW008455.D

Acq: 30 Jan 2019 10:09

Instrument :

MSVOA_W

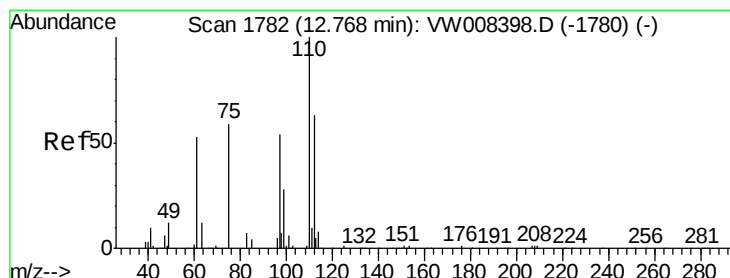
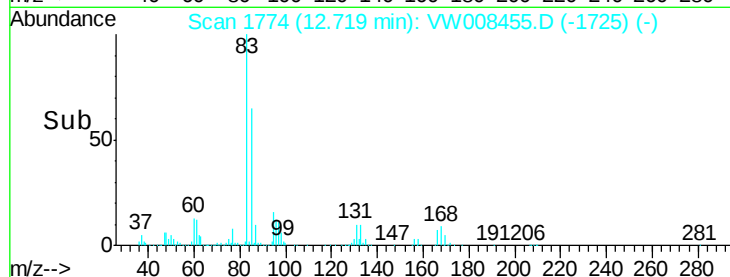
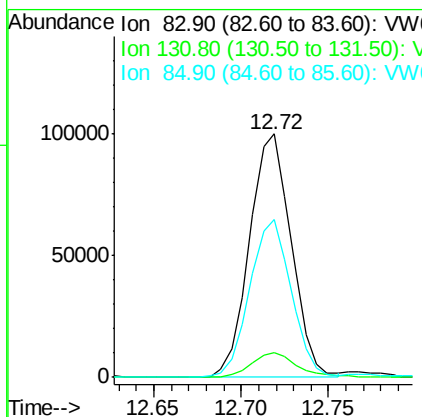
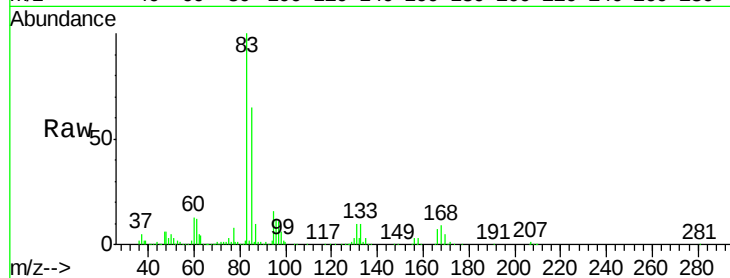
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	166124
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.5	16.4
85	64.4	31.9	95.5

Manual Integrations
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2/1/2019 10:46:59 AM



#76

1,2,3-Trichloropropane

Concen: 49.294 ug/l m

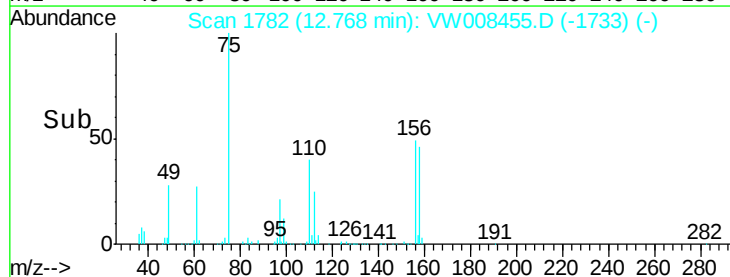
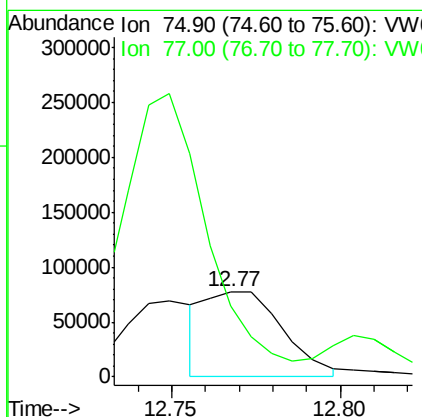
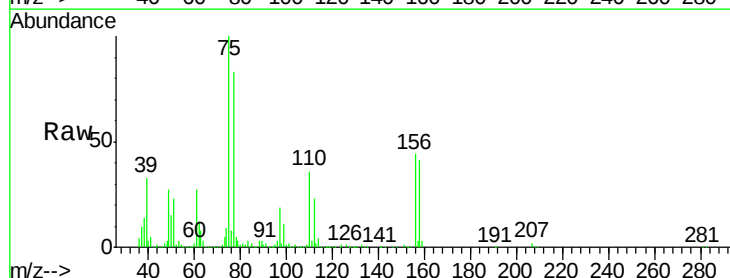
RT: 12.77 min Scan# 1782

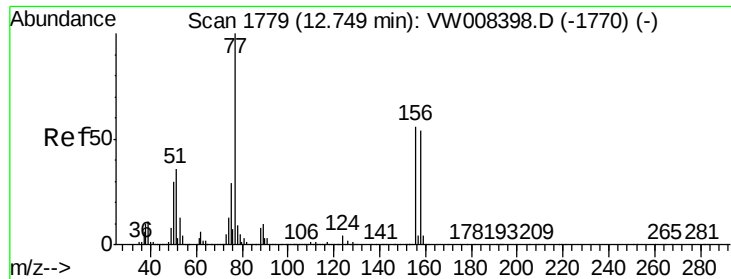
Delta R.T. -0.00 min

Lab File: VW008455.D

Acq: 30 Jan 2019 10:09

Tgt Ion:	75	Resp:	123925
Ion Ratio	Lower	Upper	
75	100		
77	372.6	180.7	542.1





#77

Bromobenzene

Concen: 54.516 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008455.D

Acq: 30 Jan 2019 10:09

Instrument :

MSVOA_W

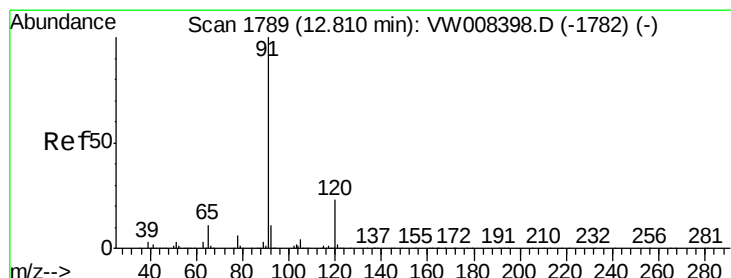
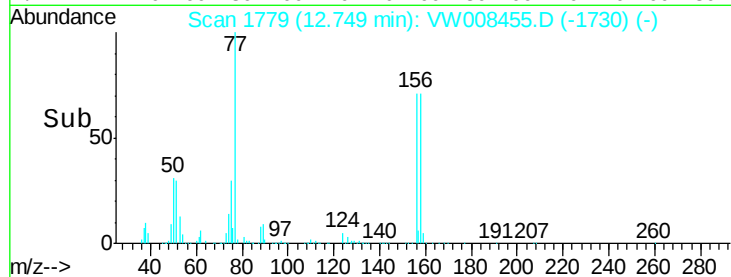
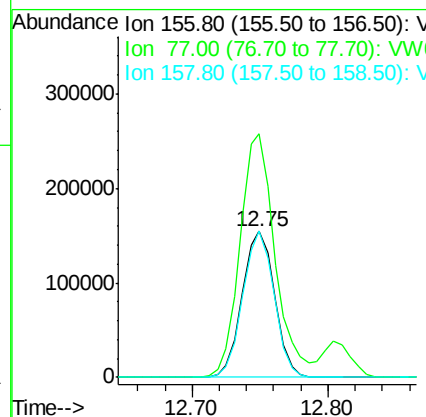
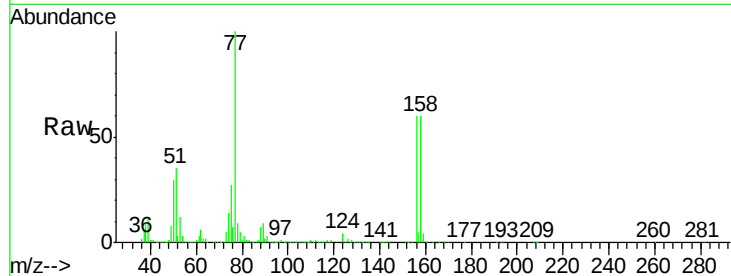
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	256654
Ion Ratio	Lower	Upper	
156	100		
77	179.9	96.9	290.7
158	96.6	48.8	146.4

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#78

n-propylbenzene

Concen: 54.891 ug/l

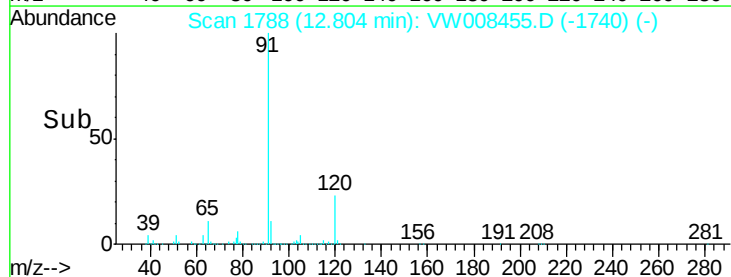
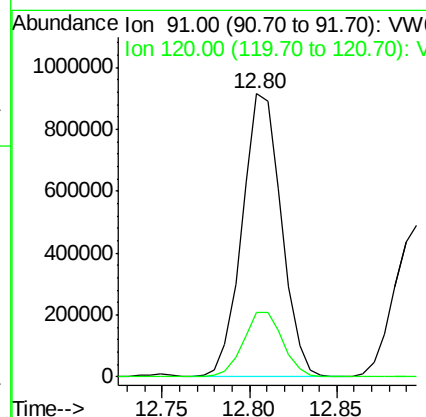
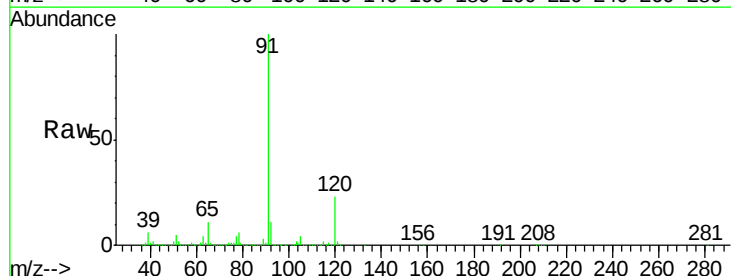
RT: 12.80 min Scan# 1788

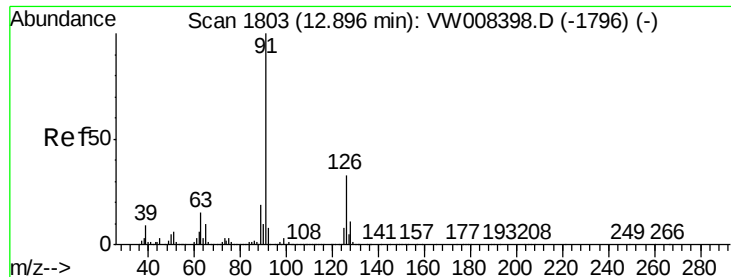
Delta R.T. -0.01 min

Lab File: VW008455.D

Acq: 30 Jan 2019 10:09

Tgt Ion:	91	Resp:	1421211
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.4	34.1





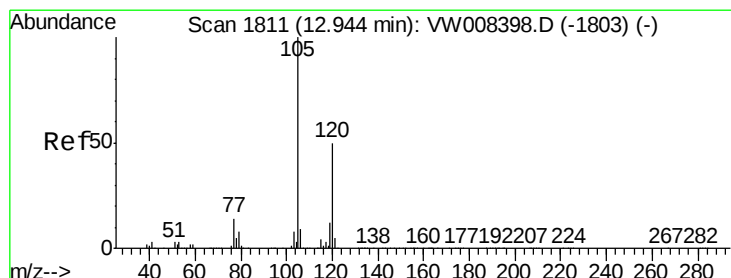
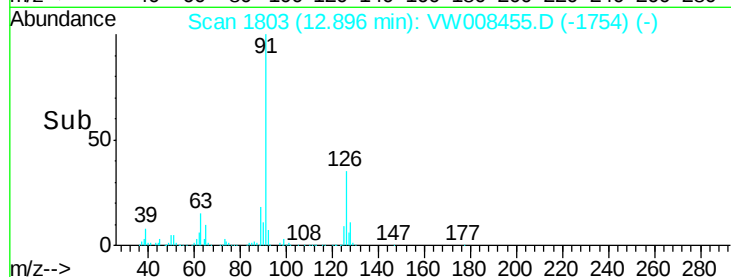
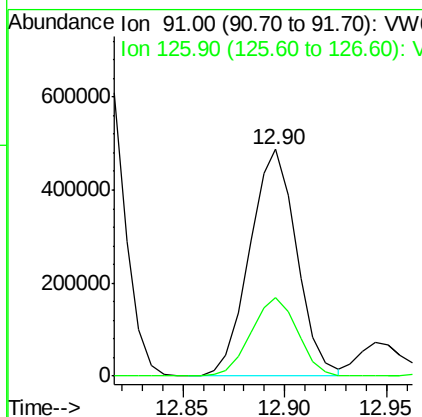
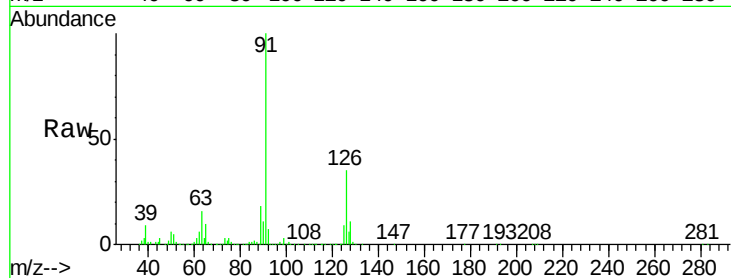
#79
2-Chlorotoluene
Concen: 53.441 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 780795
Ion Ratio Lower Upper
91 100
126 34.3 16.5 49.5

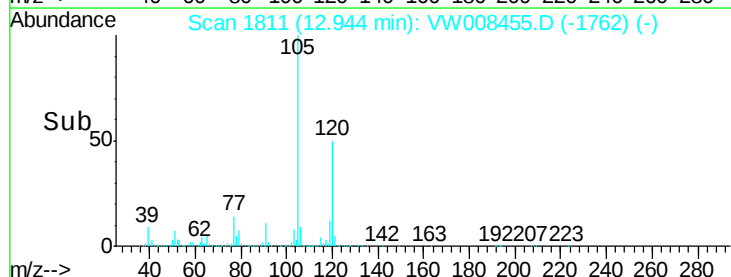
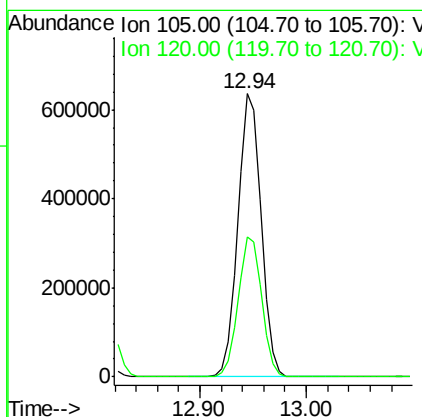
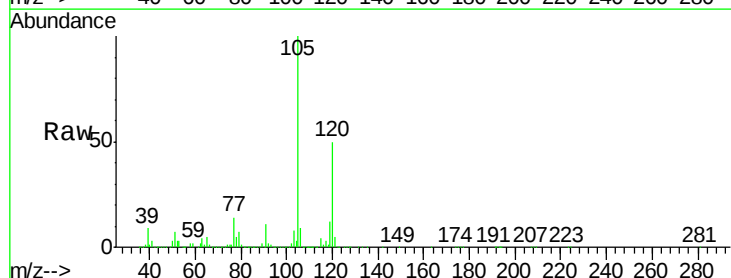
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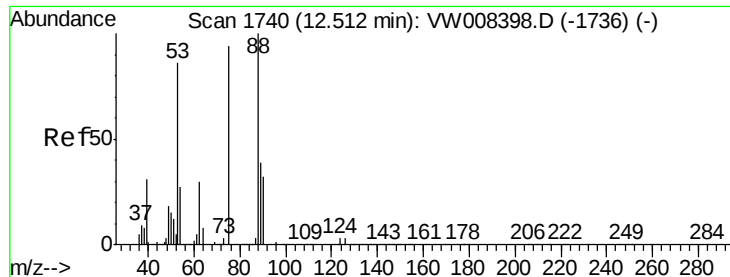
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#80
1,3,5-Trimethylbenzene
Concen: 54.222 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Tgt Ion: 105 Resp: 976987
Ion Ratio Lower Upper
105 100
120 50.0 24.6 73.8





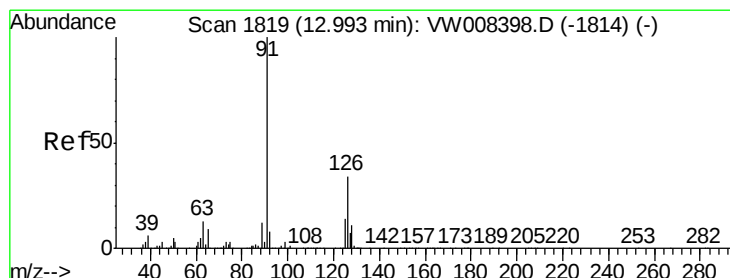
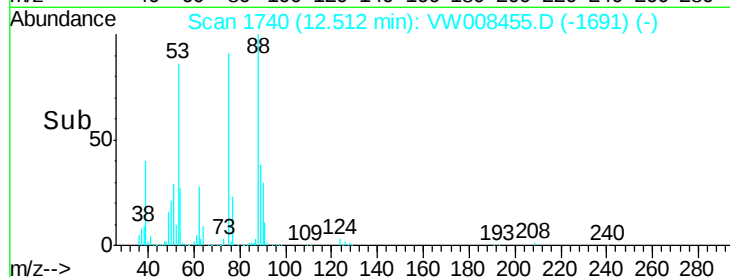
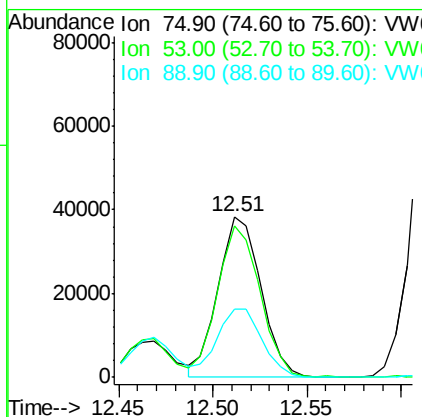
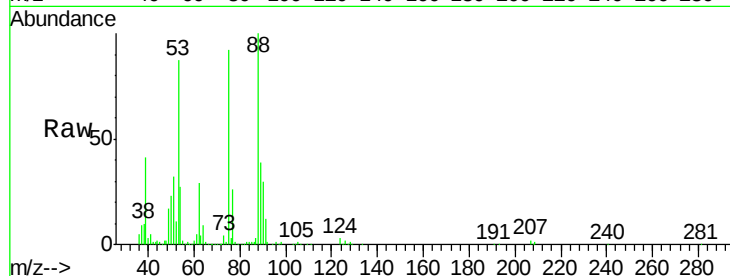
#81
trans-1,4-Dichloro-2-butene
Concen: 47.332 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.4	76.0	114.0
89	45.5	35.4	53.0

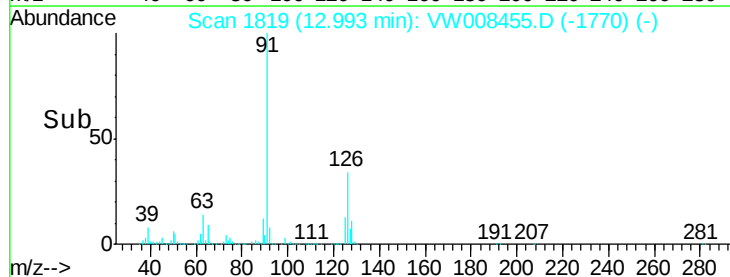
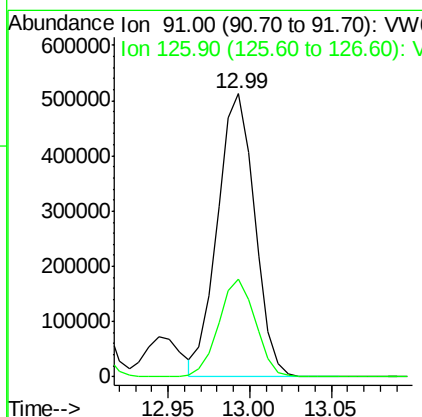
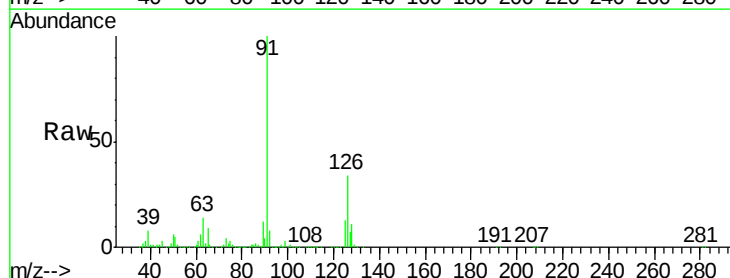
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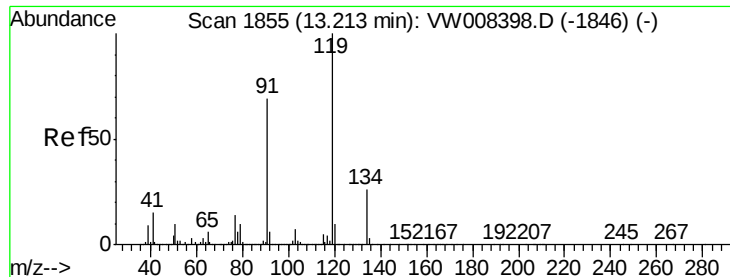
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2/1/2019 10:46:59 AM



#82
4-Chlorotoluene
Concen: 52.352 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.4	49.2





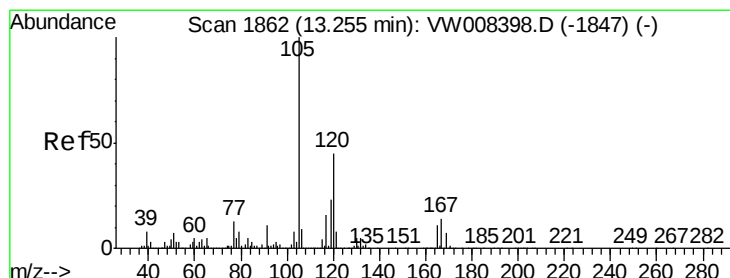
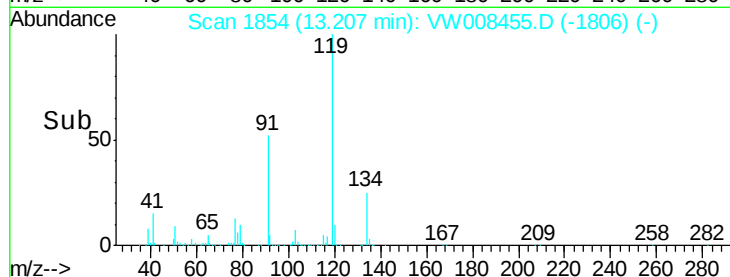
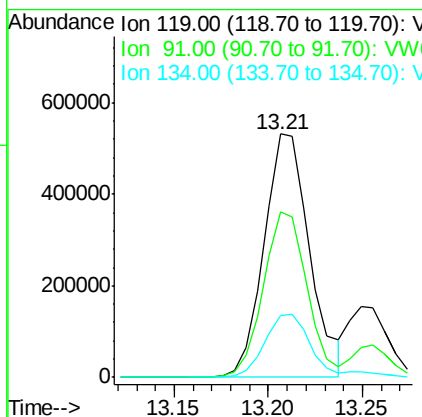
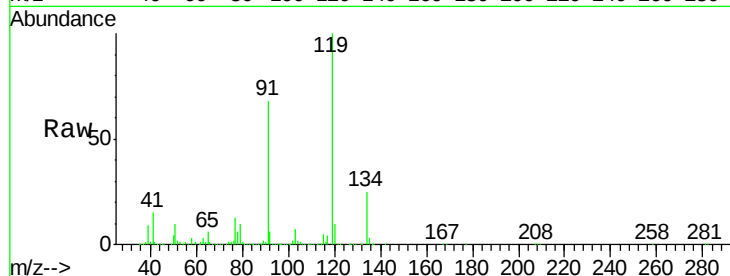
#83
tert-Butylbenzene
Concen: 55.667 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.1	33.8	101.4
134	27.1	13.5	40.4

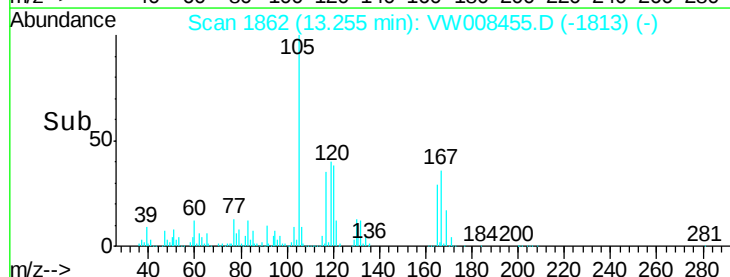
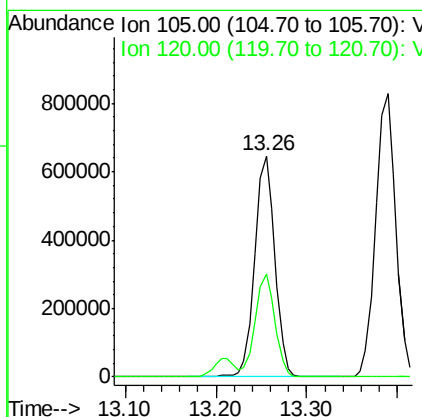
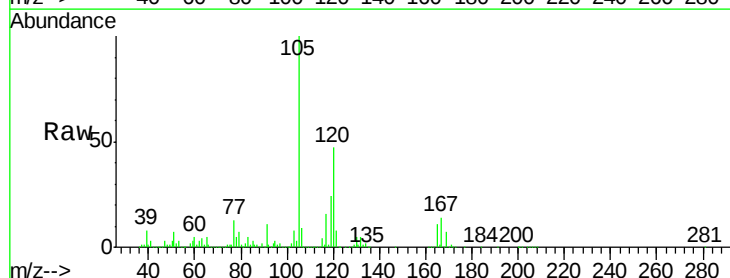
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#84
1,2,4-Trimethylbenzene
Concen: 54.086 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.1	69.2





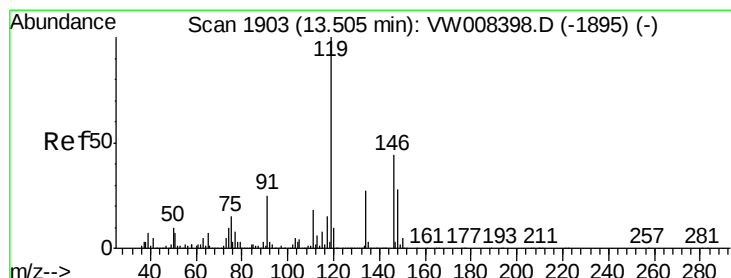
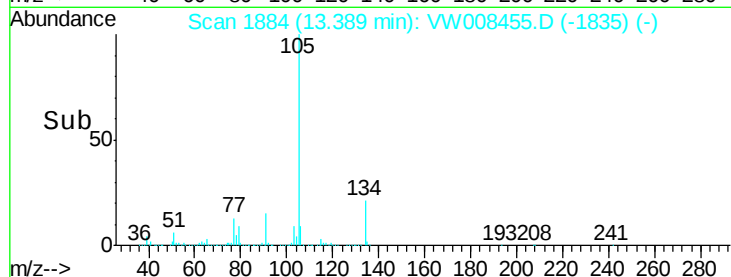
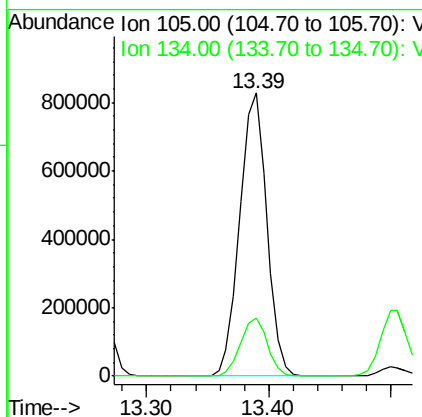
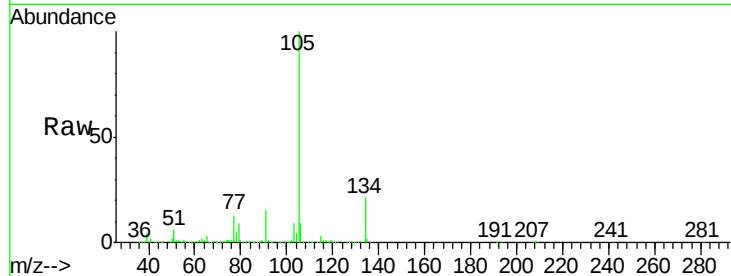
#85
 sec-Butylbenzene
 Concen: 55.291 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW008455.D
 Acq: 30 Jan 2019 10:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1266103
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.2 30.6

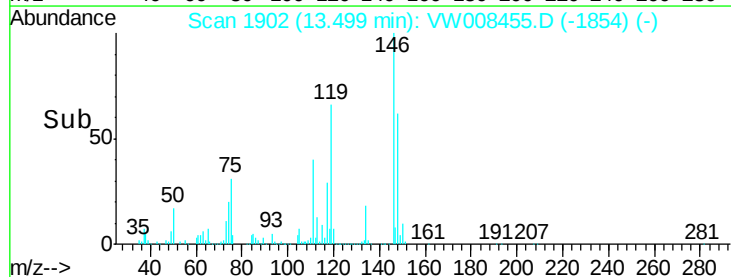
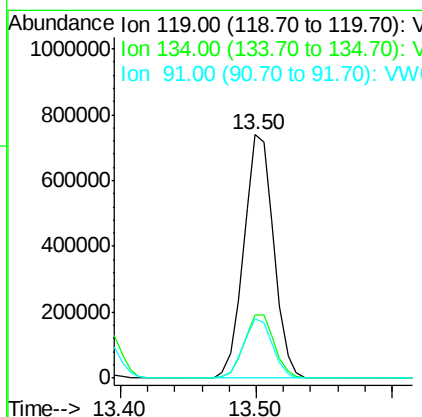
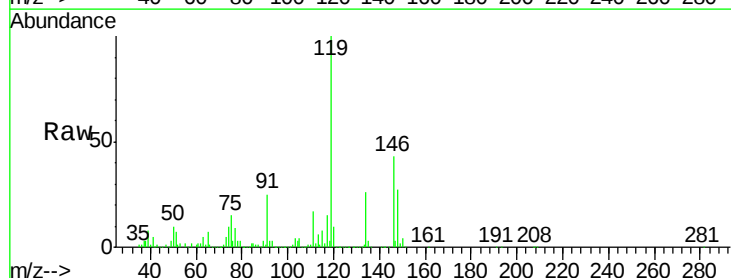
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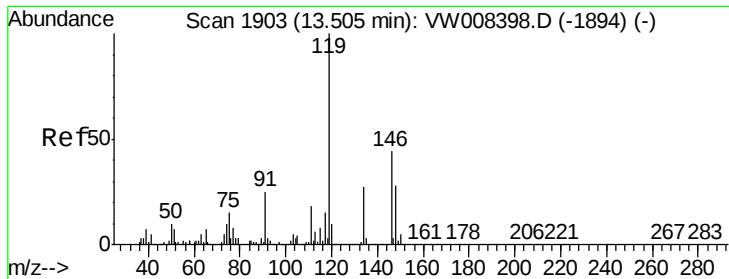
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#86
 p-Isopropyltoluene
 Concen: 56.102 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008455.D
 Acq: 30 Jan 2019 10:09

Tgt Ion:119 Resp: 1125305
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.4 40.2
 91 24.0 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 54.688 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008455.D

Acq: 30 Jan 2019 10:09

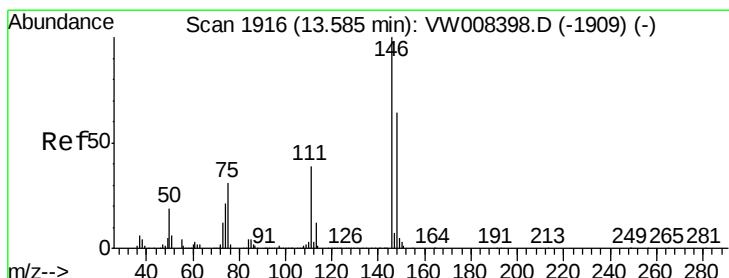
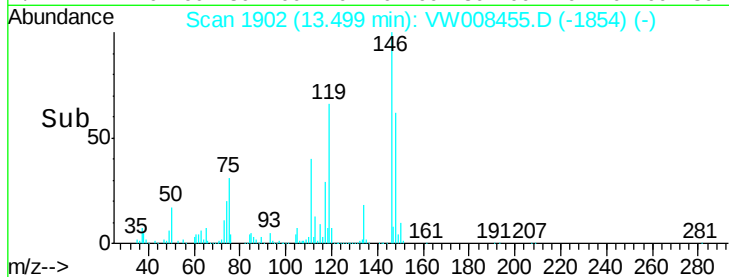
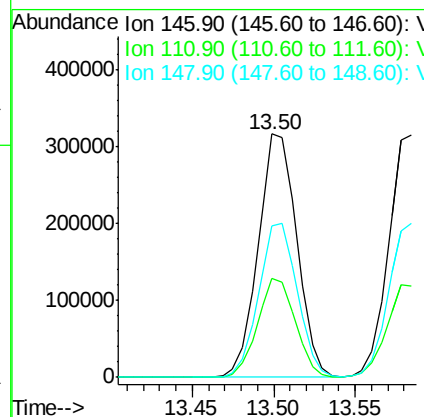
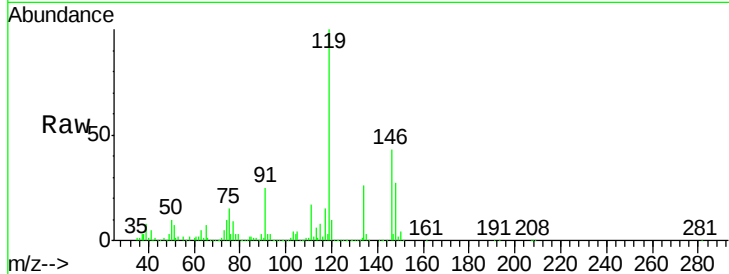
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.7	20.3	60.9	
148	63.4	31.9	95.7	

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#88

1,4-Dichlorobenzene

Concen: 54.025 ug/l

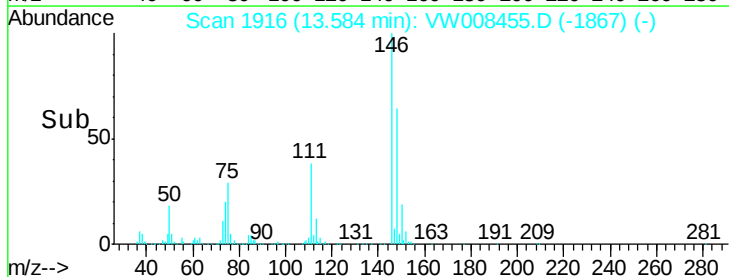
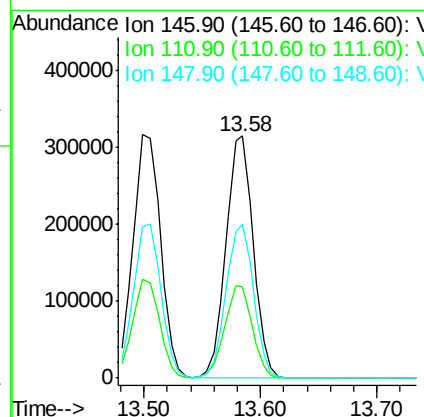
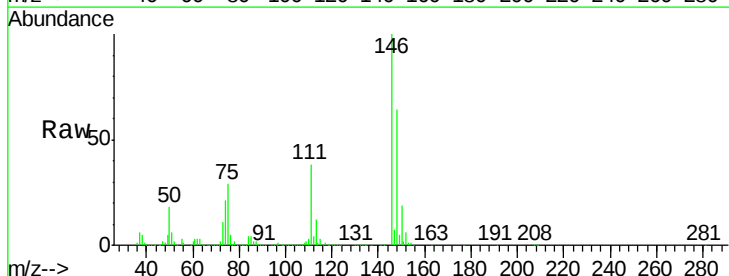
RT: 13.58 min Scan# 1916

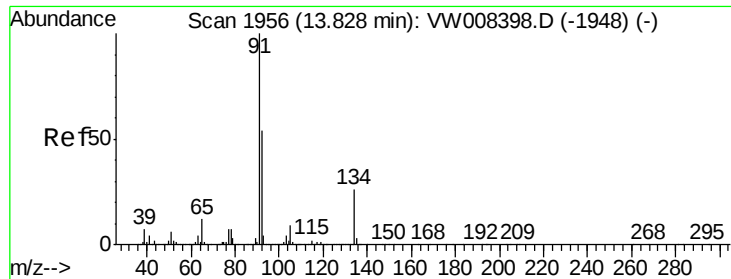
Delta R.T. -0.00 min

Lab File: VW008455.D

Acq: 30 Jan 2019 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	38.6	20.0	60.0	
148	64.0	32.0	96.2	





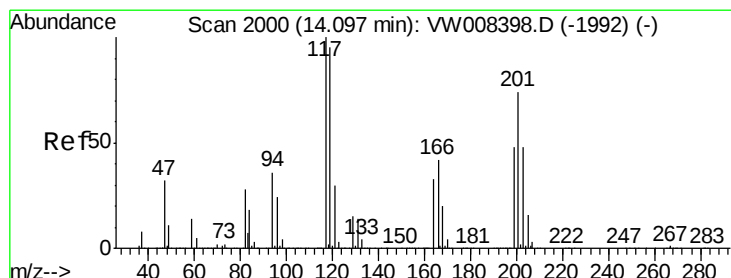
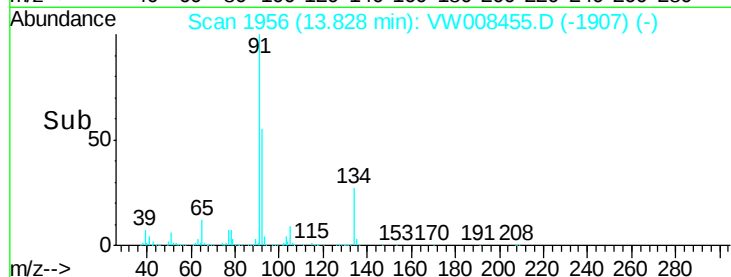
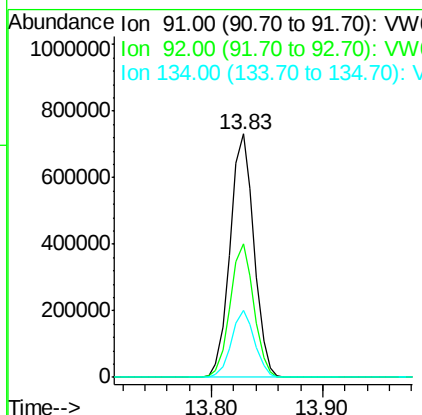
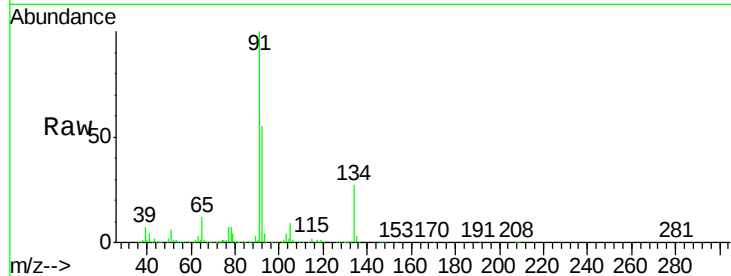
#89
n-Butylbenzene
Concen: 54.786 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.4	82.2
134	26.7	13.0	39.0

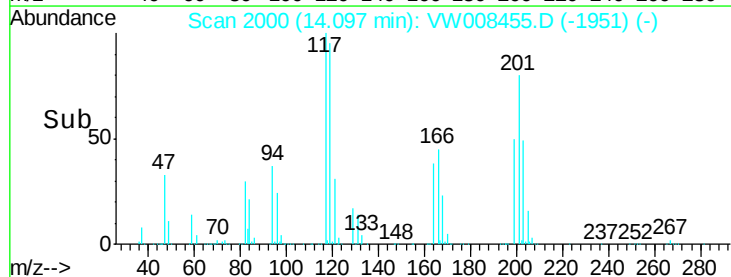
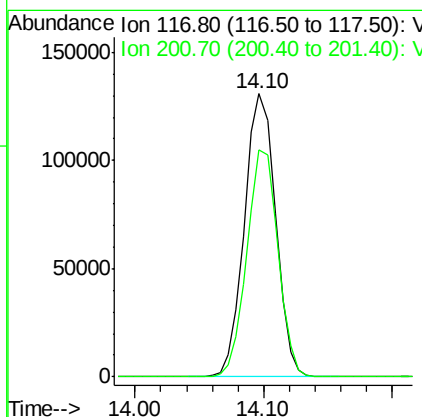
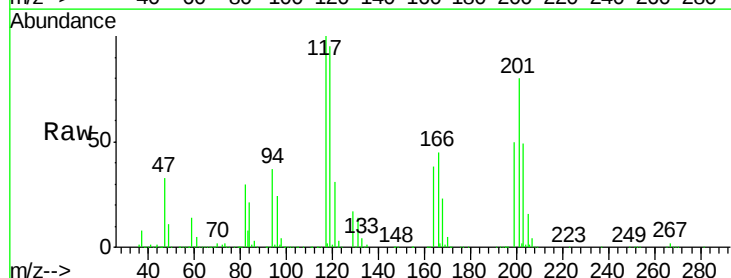
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#90
Hexachloroethane
Concen: 55.782 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.9	39.1	117.5





#91

1,2-Dichlorobenzene

Concen: 53.505 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW008455.D

Acq: 30 Jan 2019 10:09

Instrument :

MSVOA_W

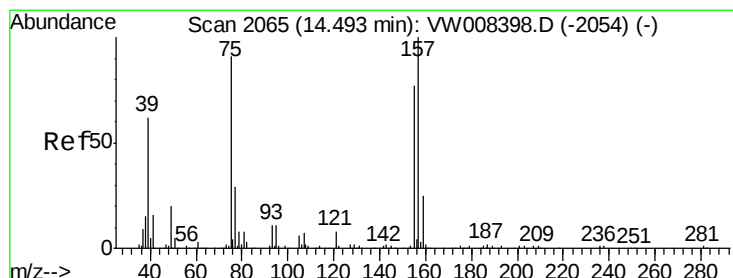
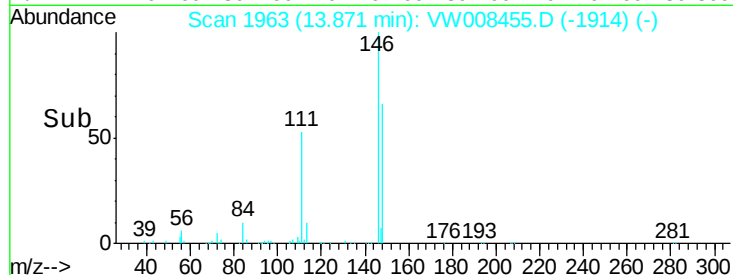
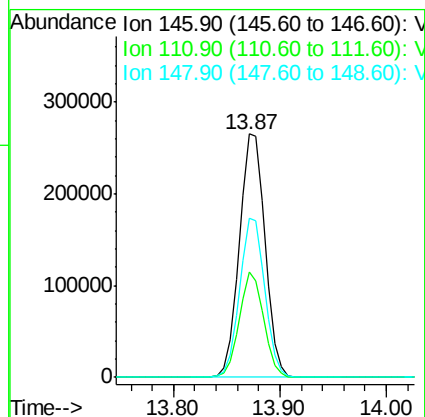
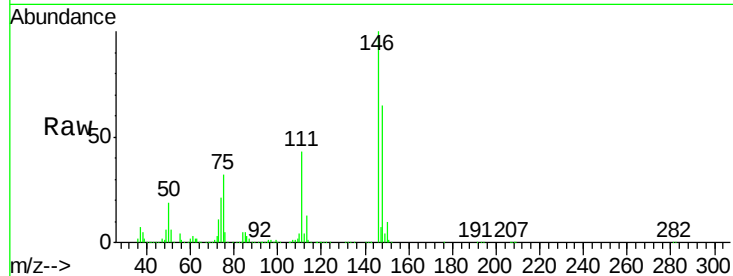
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	450128
Ion Ratio	Lower	Upper	
146	100		
111	41.0	21.1	63.3
148	63.9	31.9	95.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 44.483 ug/l

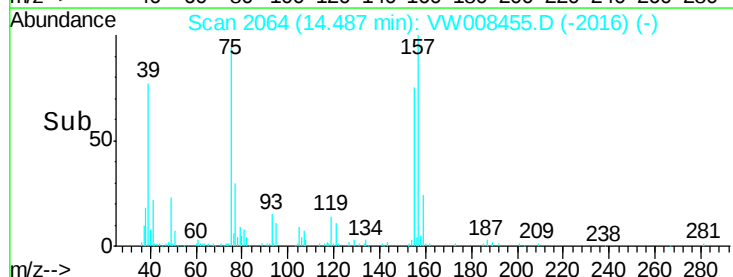
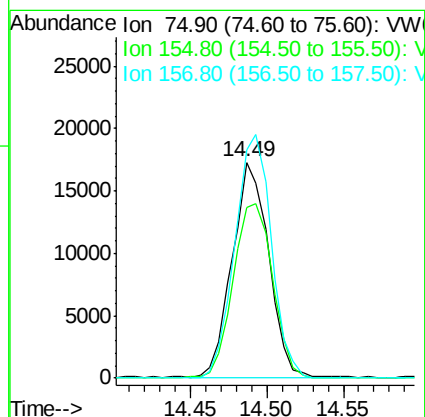
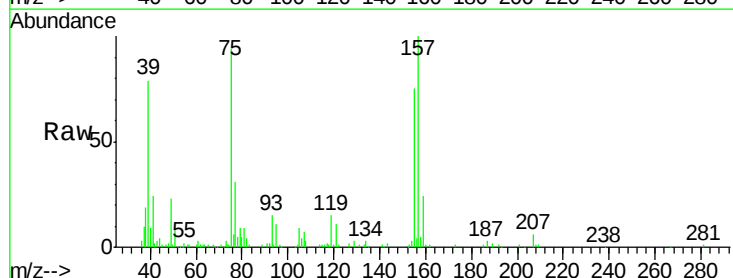
RT: 14.49 min Scan# 2064

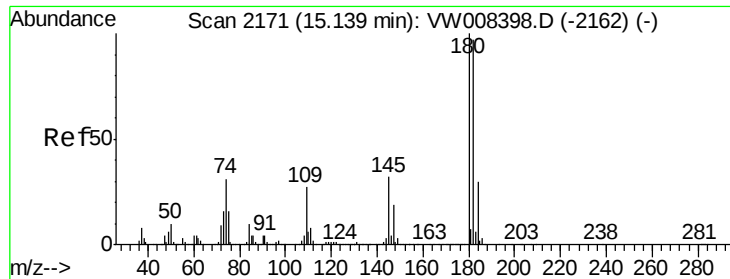
Delta R.T. -0.01 min

Lab File: VW008455.D

Acq: 30 Jan 2019 10:09

Tgt Ion:	75	Resp:	28806
Ion Ratio	Lower	Upper	
75	100		
155	86.8	42.7	128.1
157	112.2	55.5	166.3





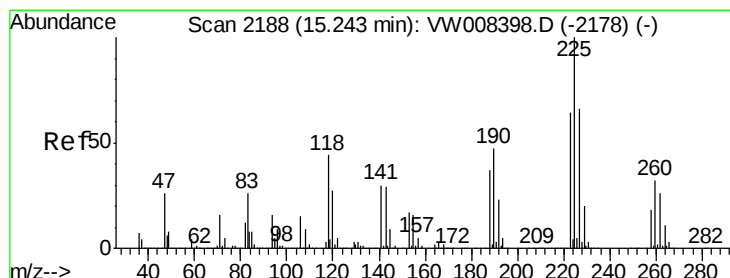
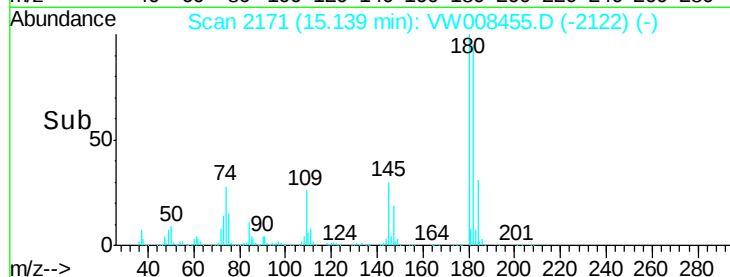
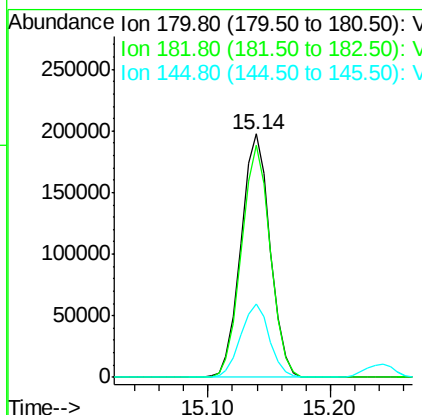
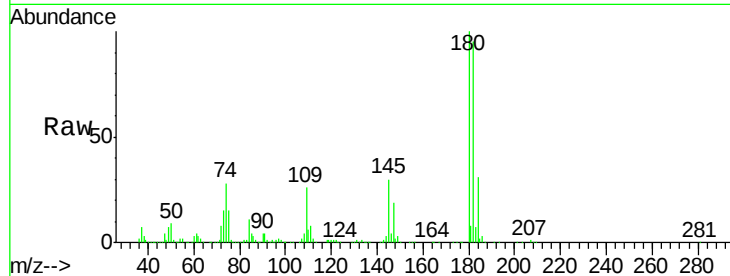
#93
 1,2,4-Trichlorobenzene
 Concen: 54.196 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008455.D
 Acq: 30 Jan 2019 10:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	325364		
182	94.4	47.9	143.7	
145	29.9	15.5	46.5	

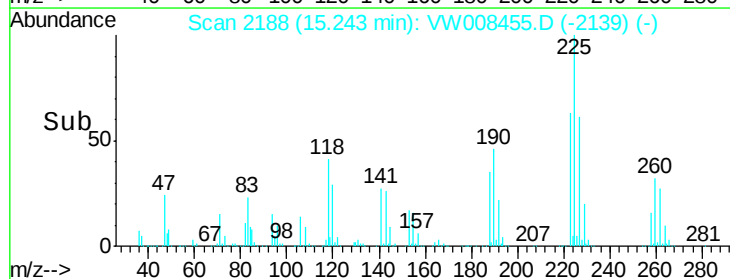
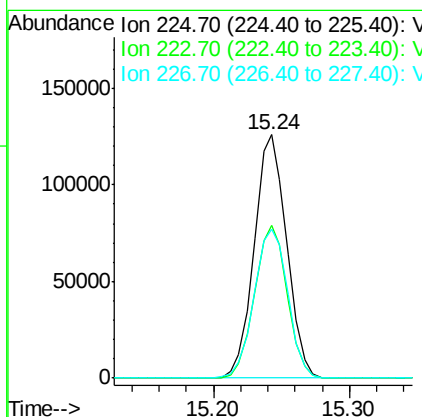
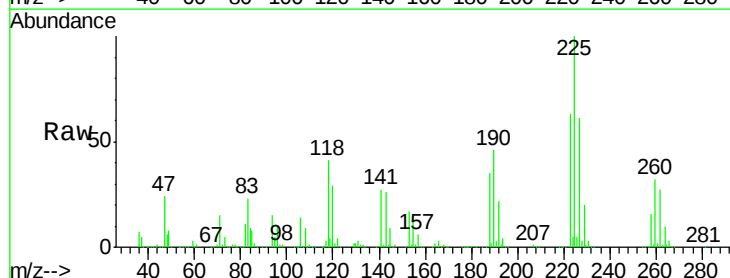
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#94
 Hexachlorobutadiene
 Concen: 58.344 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008455.D
 Acq: 30 Jan 2019 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	211092		
223	63.1	31.7	95.1	
227	63.5	32.1	96.3	





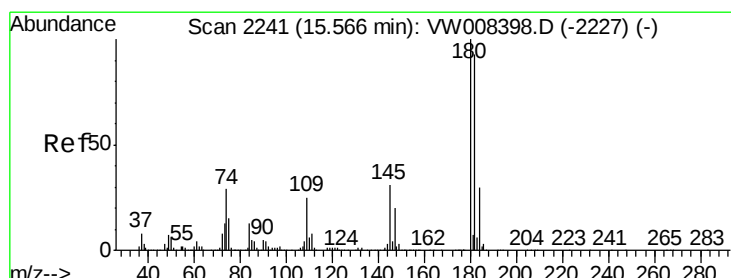
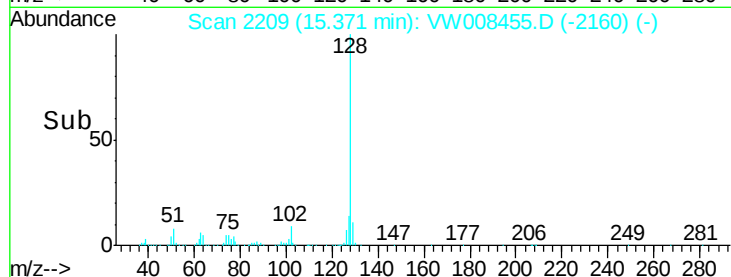
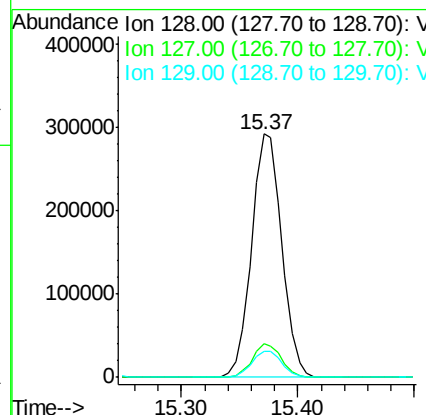
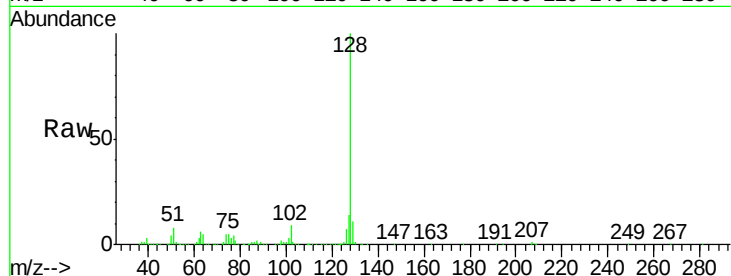
#95
Naphthalene
Concen: 50.073 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	527831		
127	13.3	10.6	15.8	
129	10.9	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
2/1/2019 10:46:59 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.887 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW008455.D
Acq: 30 Jan 2019 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	269335		
182	95.7	47.0	141.2	
145	32.3	15.9	47.6	

